Table Of Contents

COVER
1 ABOUT LEAD FREE SOLDER (PbF)
2 FEATURES
3 REPLACEING THE FUSE
4 MAINTENANCE
5 NOTES
6 DIMENSIONS
7 LASER PRODUCTS
8 WIRING CONNECTION
8.1 CQ-C1400N
8.2 CQ-C1300AN / C1300GN
9 BLOCK DIAGRAM
9.1 Main / Display Block
9.2 CD Servo Block
10 TERMINALS DESCRIPTION
10.1 Main Block
10.2 Display Block
10.3 CD Servo Block
11 PACKAGE AND IC BLOCK DIAGRAM
11.1 Main Block
11.2 Display Block
11.3 CD Servo Block
12 REPLACEMENT PARTS LIST [CQ-C1400N]
13 EXPLODED VIEW (Unit) [CQ-C1400N]
14 REPLACEMENT PARTS LIST [CQ-C1300AN / C1300GN]
15 EXPLODED VIEW (Unit) [CQ-C1300AN / C1300GN]
16 CD PLAYER PARTS LIST
17 EXPLODED VIEW (CD Deck)
18 WIRING DIAGRAM
18.1 Display Block
18.2 Main Block (Top View)
18.3 Main Block (Bottom View)

Service Manual

TOP NEXT

ORDER NO. ACED040236C8

Service Manual

AUTOMOTIVE AFTERMARKET

- CQ-C1400N
  CQ-C1300AN
  CQ-C1300GN

MP3 WMA CD Player/ Receiver with CD Changer Control

(CQ-C1400N)

Specifications*

General

18.4 CD Servo Block (Top View)
18.5 CD Servo Block (Bottom View)
19 SCHEMATIC DIAGRAM-1
19.1 Display Block
20 SCHEMATIC DIAGRAM-2
20.1 Main Block
20.2 CD Servo Block-1
20.3 CD Servo Block-2
21 SCHEMATIC DIAGRAM for Printing with A4 Size
21.1 Main Block (Left Side)
21.2 Main Block (Right Side)
21.3 CD Servo Block-1 (Left Side)
21.4 CD Servo Block-1 (Right Side)
21.5 CD Servo Block-2 (Left Side)
21.6 CD Servo Block-2 (Right Side)

Power Supply	DC 12V(11V-16V), Test Voltage 14.4V Negative Ground
Tone Controls (Bass)	±12dB at 100Hz
Tone Controls (Treble)	±12dB at 10kHz
Current Consumption	Less than 2.5A (CD mode; 0.5W 4-speaker)
Maximum Power Output	50W× 4 (at 4Ω)(C1400N)
	45W× 4 (at 4Ω)(C1300AN/C1300GN)
Power Output	22W× 4 (DIN45 324, at 4Ω)
Speaker Impedance	4 - 8Ω
Pre-amp Output Voltage	2.5V (CD mode)
Pre-amp Output Impedance	200Ω
Radio	
FM	
Frequency Range	87.5MHz - 108MHz
Usable Sensitivity	6dB/•V(S/N 30dB)
Stereo Separation	35dB (at 1kHz)
MW	
Frequency Range	531kHz - 1,602kHz
Usable Sensitivity	28dB/•V (S/N 20dB)
LW	
Frequency Range	153kHz - 279kHz
Usable Sensitivity	32dB/•V (S/N 20dB)
CD Player	
Sampling Frequency	8 Times Oversampling
DA Converter	4 DAC System
Pick-up Type	Astigma 3-Beam
Light Source	Semiconductor Laser
Wavelength	780 nm
Frequency Response	5Hz-20kHz (±1dB)
Signal to Noise Ratio	96dB
Total Harmonic Distortion	0.01% (1kHz)
Wow and Flutter	Below Measurable Limits
Channel Separation	75dB

Dimensions (W×H×D)**	178×50×155mm
Weight**	1.4 kg
* Specifications and the design are subject to possible modification without notice due to improvements. ** Dimensions and Weight shown are approximate.	

© 2004 Matsushita Electric Industrial Co., Ltd. All rights reserved. Unauthorized copying and distribution is a violation of law.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

TOP NEXT

Table Of Contents

COVER

1 ABOUT LEAD FREE SOLDER (PbF)

2 FEATURES

3 REPLACEING THE FUSE

4 MAINTENANCE

5 NOTES

6 DIMENSIONS

7 LASER PRODUCTS

8 WIRING CONNECTION

8.1 CQ-C1400N

8.2 CQ-C1300AN / C1300GN

9 BLOCK DIAGRAM

9.1 Main / Display Block

9.2 CD Servo Block

10 TERMINALS DESCRIPTION

10.1 Main Block

10.2 Display Block

10.3 CD Servo Block

11 PACKAGE AND IC BLOCK DIAGRAM

11.1 Main Block

11.2 Display Block

11.3 CD Servo Block

12 REPLACEMENT PARTS LIST [CQ-C1400N]

13 EXPLODED VIEW (Unit) [CQ-C1400N]

14 REPLACEMENT PARTS LIST [CQ-C1300AN / C1300GN]

15 EXPLODED VIEW (Unit) [CQ-C1300AN / C1300GN]

16 CD PLAYER PARTS LIST

17 EXPLODED VIEW (CD Deck)

18 WIRING DIAGRAM

18.1 Display Block

18.2 Main Block (Top View)

18.3 Main Block (Bottom View)

18.4 CD Servo Block (Top View)

18.5 CD Servo Block (Bottom View)

19 SCHEMATIC DIAGRAM-1

19.1 Display Block

20 SCHEMATIC DIAGRAM-2

20.1 Main Block

20.2 CD Servo Block-1

20.3 CD Servo Block-2

21 SCHEMATIC DIAGRAM for Printing with A4 Size

21.1 Main Block (Left Side)

21.2 Main Block (Right Side)

21.3 CD Servo Block-1 (Left Side)

21.4 CD Servo Block-1 (Right Side)

21.5 CD Servo Block-2 (Left Side)

21.6 CD Servo Block-2 (Right Side)

Service Manual

TOP NEXT

ORDER NO. ACED040236C8

Service Manual

AUTOMOTIVE AFTERMARKET

- CQ-C1400N
  CQ-C1300AN
  CQ-C1300GN

MP3 WMA CD Player/ Receiver with CD Changer Control

(CQ-C1400N)

Specifications*

General	
Power Supply	DC 12V(11V-16V), Test Voltage 14.4V Negative Ground
Tone Controls (Bass)	±12dB at 100Hz
Tone Controls (Treble)	±12dB at 10kHz
Current Consumption	Less than 2.5A (CD mode; 0.5W 4-speaker)
Maximum Power Output	50W× 4 (at 4Ω)(C1400N)
	45W× 4 (at 4Ω)(C1300AN/C1300GN)
Power Output	22W× 4 (DIN45 324, at 4Ω)
Speaker Impedance	4 - 8Ω
Pre-amp Output Voltage	2.5V (CD mode)
Pre-amp Output Impedance	200Ω
Radio	
FM	
Frequency Range	87.5MHz - 108MHz

Usable Sensitivity	6dB/•V(S/N 30dB)
Stereo Separation	35dB (at 1kHz)
MW	
Frequency Range	531kHz - 1,602kHz
Usable Sensitivity	28dB/•V (S/N 20dB)
LW	
Frequency Range	153kHz - 279kHz
Usable Sensitivity	32dB/•V (S/N 20dB)
CD Player	
Sampling Frequency	8 Times Oversampling
DA Converter	4 DAC System
Pick-up Type	Astigma 3-Beam
Light Source	Semiconductor Laser
Wavelength	780 nm
Frequency Response	5Hz-20kHz (±1dB)
Signal to Noise Ratio	96dB
Total Harmonic Distortion	0.01% (1kHz)
Wow and Flutter	Below Measurable Limits
Channel Separation	75dB
Dimensions (W×H×D)**	178×50×155mm
Weight**	1.4 kg
* Specifications and the design are subject to possible modification without notice due to improvements. ** Dimensions and Weight shown are approximate.	

© 2004 Matsushita Electric Industrial Co., Ltd. All rights reserved. Unauthorized copying and distribution is a violation of law.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

TOP NEXT

1 ABOUT LEAD FREE SOLDER (PbF)

Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution :

- Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 700 ± 20°F(370 ± 10°C). In case of using high temperature soldering iron, please be careful not to heat too long.
- Pb free solder will tend to splash when heated too high (about 1100°F/600°C)
- This lead free solder will be used for the products after serial No. 1,000,001.

2 FEATURES

- Large-Sized Volume Control.
- CD Changer Control (only for CQ-C1400N)
- MP3/WMA Playback from CD-R/RW.
- The differences among three models CQ-C1400N, CQ-C1300AN and CQ-C1300GN are mentioned below.

3 REPLACEING THE FUSE

Use fuses of the same specified rating (15A). Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to the stereo unit.

4 MAINTENANCE

Your products is designed and manufactured to ensure a minimum of maintenance. Use a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

5 NOTES

[RADIO BLOCK]

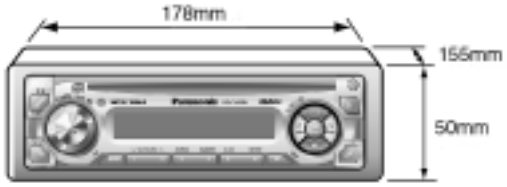
Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.

[CD DECK BLOCK]

This model has no servo alignment points because microcomputer controls the servo circuit

6 DIMENSIONS

TOP PREVIOUS NEXT



(CQ-C1400N)

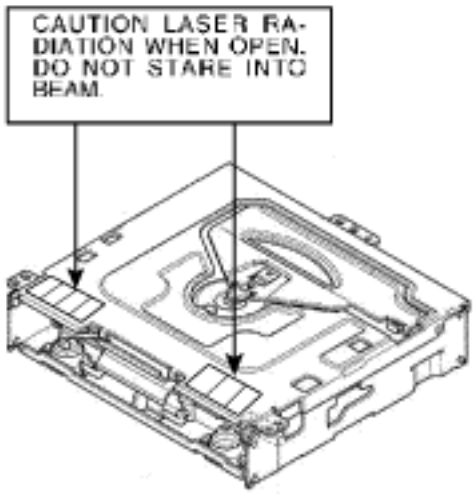
TOP PREVIOUS NEXT

7 LASER PRODUCTS

CAUTION:

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.
Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.



Deck Ass'y (Upper Side)

Caution
This Product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

8 WIRING CONNECTION

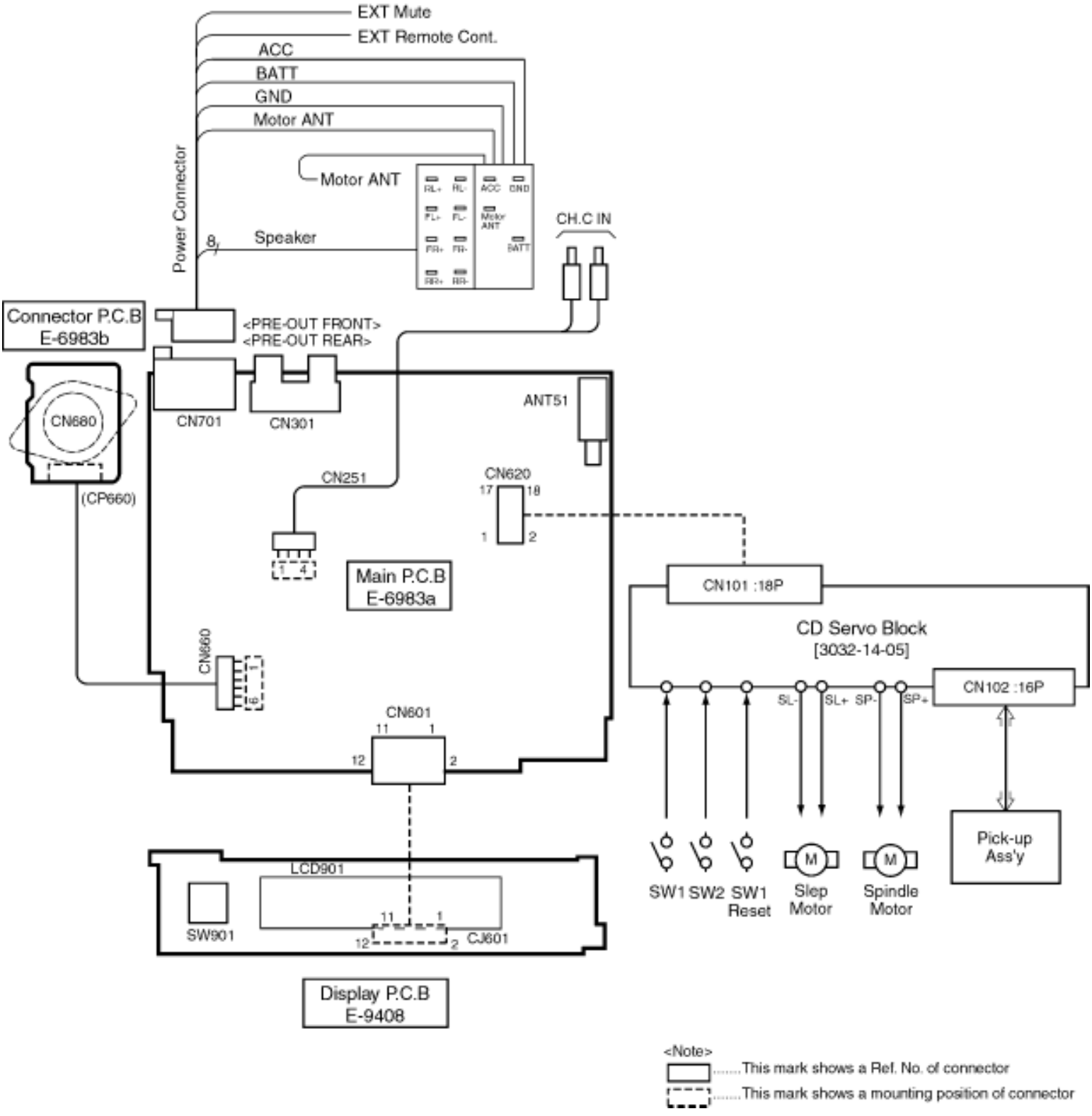
TOP PREVIOUS NEXT

8.1 CQ-C1400N

8.2 CQ-C1300AN / C1300GN

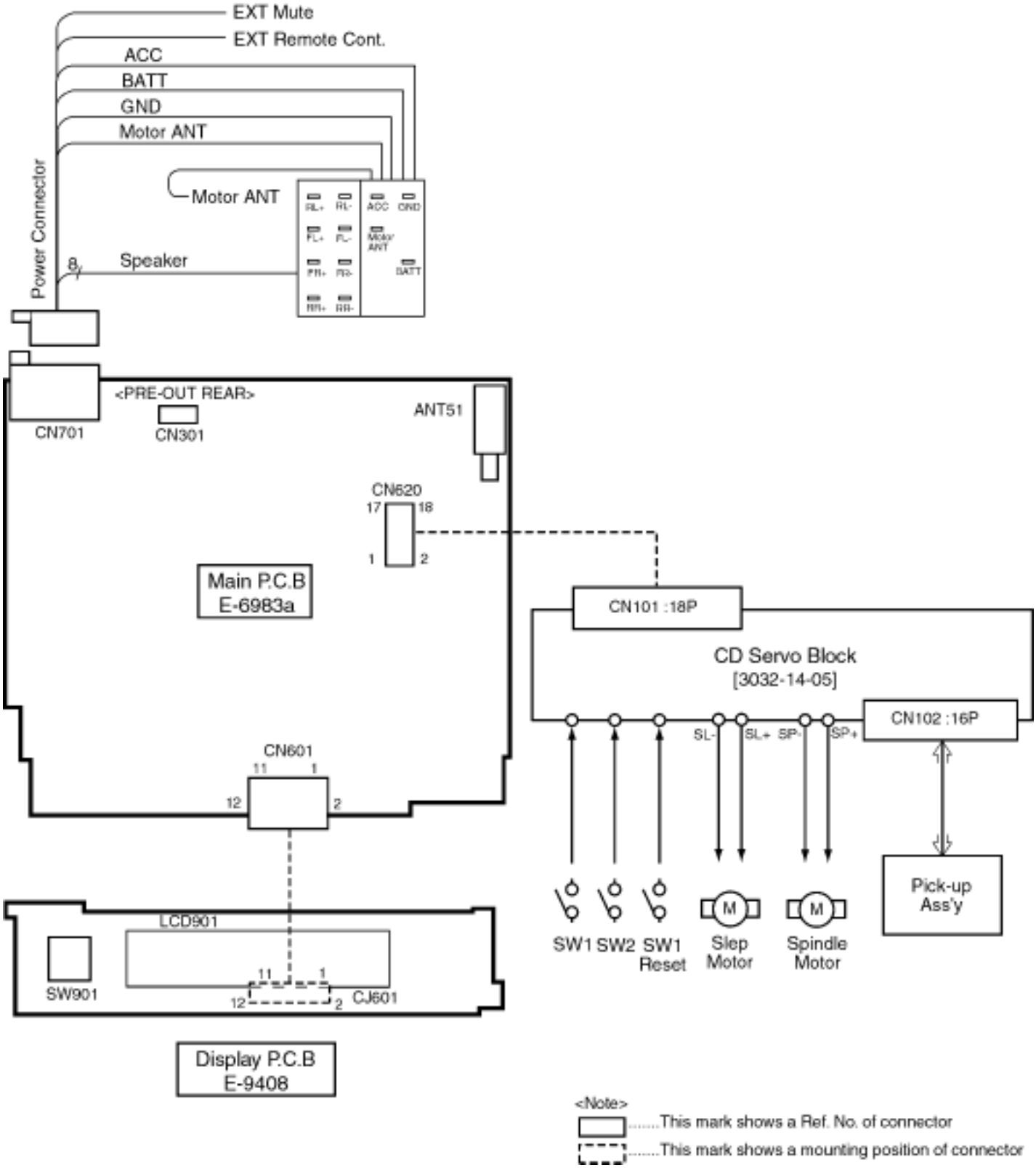
TOP PREVIOUS NEXT

8.1 CQ-C1400N


EXT Mute
EXT Remote Cont.
ACC
BATT
GND
Motor ANT
Power Connector
Motor ANT
Speaker
CH.C IN
Connector P.C.B
E-6983b
<PRE-OUT FRONT>
<PRE-OUT REAR>
CN680
(CP660)
CN701
CN301
ANT51
CN251
CN620
Main P.C.B
E-6983a
CN660
CN601
CN101 :18P
CD Servo Block
[3032-14-05]
CN102 :16P
SL-
SL+
SP-
SP+
Pick-up
Ass'y
SW1
SW2
SW1
Reset
Slep
Motor
Spindle
Motor
LCD901
SW901
CJ601
Display P.C.B
E-9408
<Note>
.....This mark shows a Ref. No. of connector
.....This mark shows a mounting position of connector

8.2 CQ-C1300AN/C1300GN

TOP PREVIOUS NEXT



TOP PREVIOUS NEXT

9 BLOCK DIAGRAM

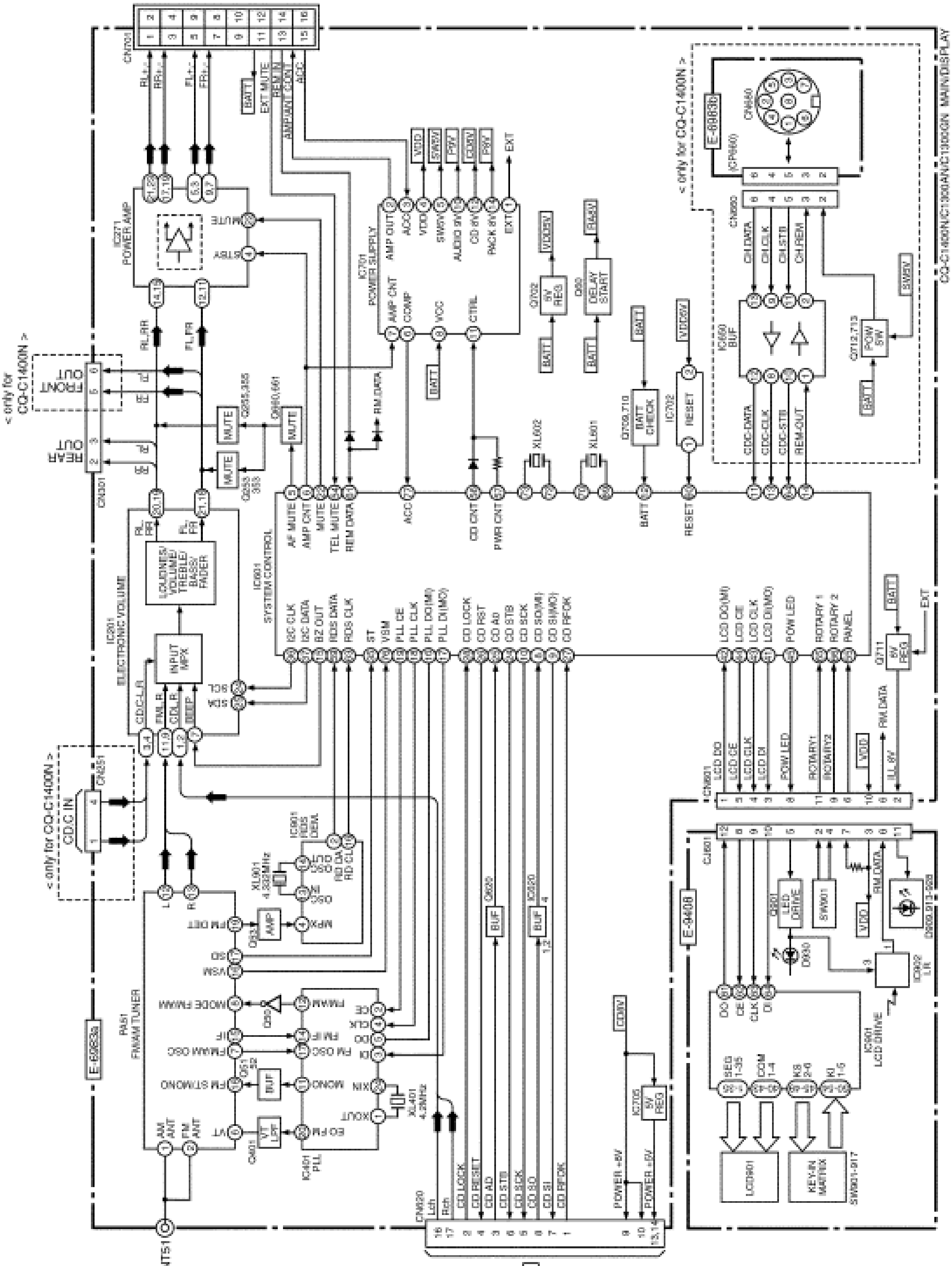
TOP PREVIOUS NEXT

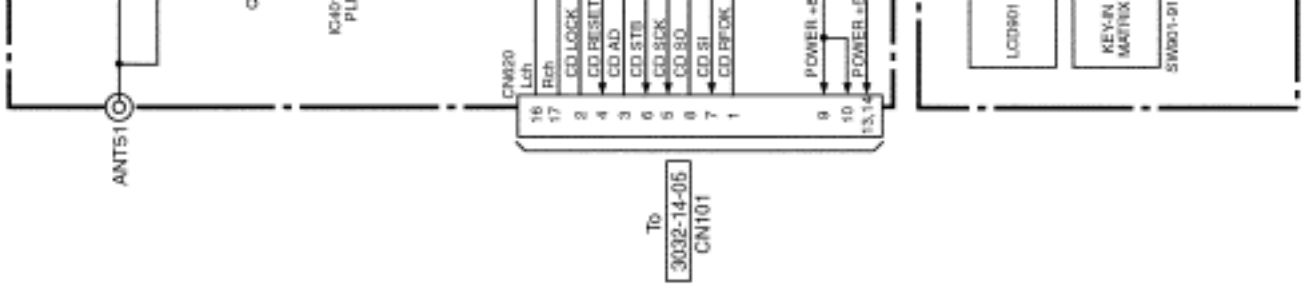
9.1 Main / Display Block

9.2 CD Servo Block

TOP PREVIOUS NEXT

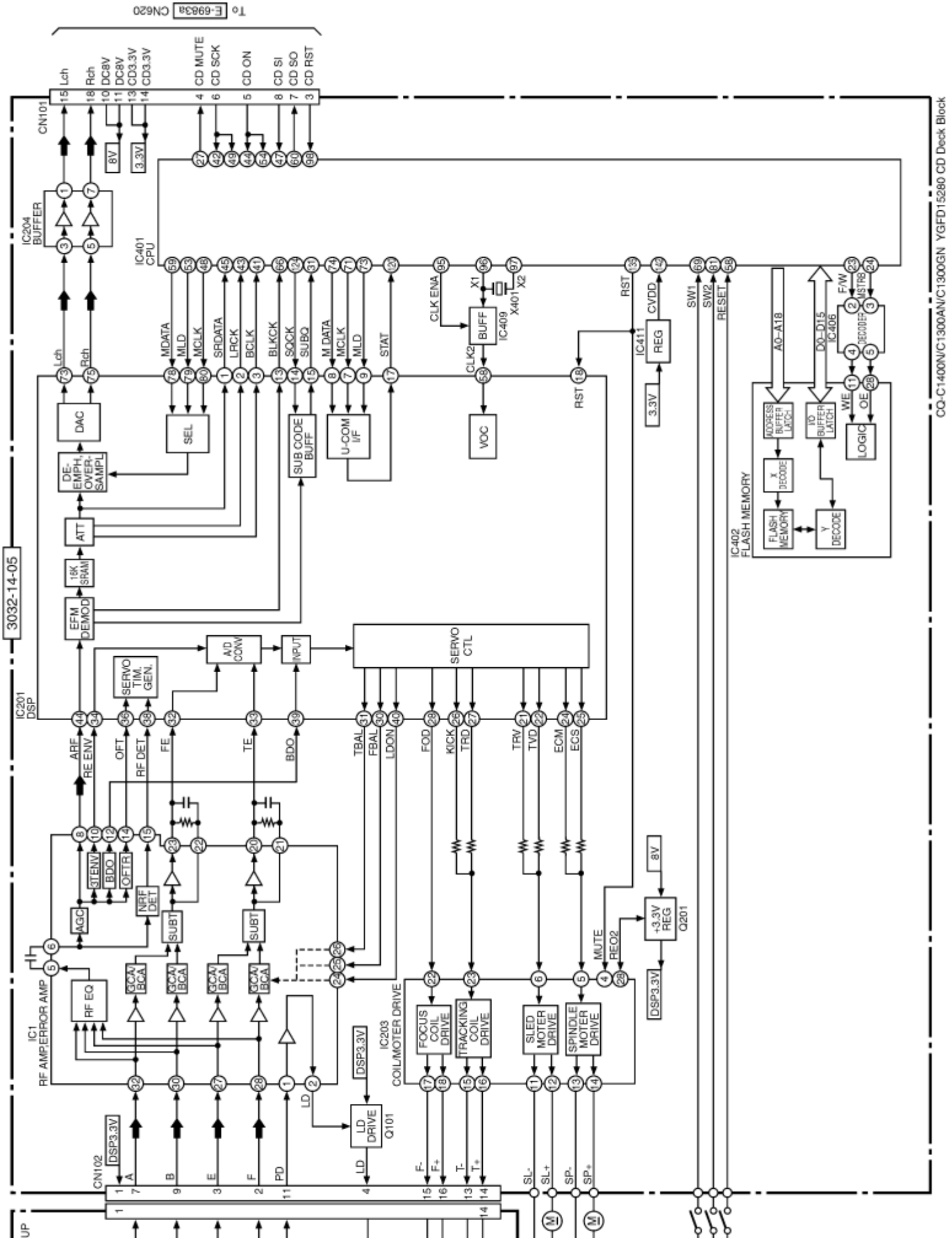
9.1 Main/Display Block

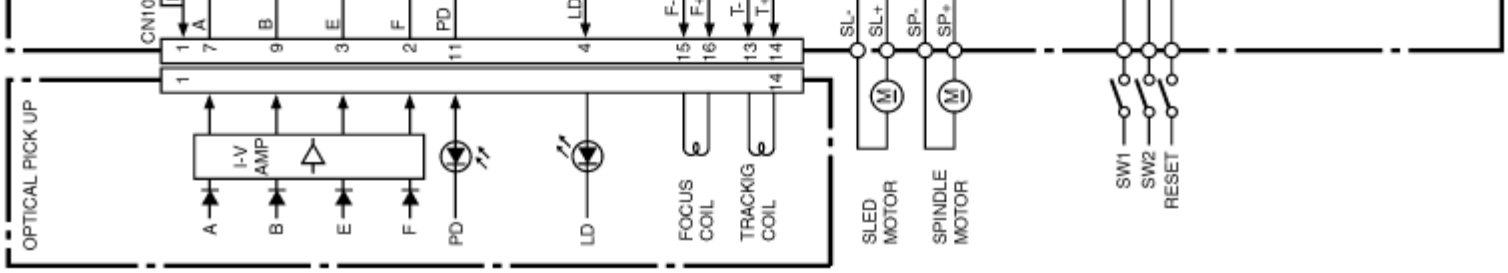

CQ-C1400N/C1300AN/C1300GN MAIN/DISPLAY
< only for CQ-C1400N >
IC271 POWER AMP
IC701 POWER SUPPLY
IC201 ELECTRONIC VOLUME
IC601 SYSTEM CONTROL
RA51 FM/AM TUNER
IC401 PLL
IC901 LCD DRIVE
IC660 BUF
IC702 RESET
CDC IN
REAR OUT
FRONT OUT
LCD901
KEY-IN MATRIX
E-6063a
E-9408
E-6963b



TOP PREVIOUS NEXT

9.2 CD Servo Block





TOP PREVIOUS NEXT

10 TERMINALS DESCRIPTION

TOP PREVIOUS NEXT

10.1 Main Block

10.2 Display Block

10.3 CD Servo Block

TOP PREVIOUS NEXT

10.1 Main Block

IC601 : C2CBJG000376

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
1	NC	(Ground pull down)	I	0	0	0
2	NC	(Ground pull down)	I	0	0	0
3	NC	(Ground pull down)	I	0	0	0
4	AVSS	Ground	-	0	0	0
5	AF_MUTE	AF mute	O/I	5	5	5.1
6	AMP_CNT	Amp control	O	5	5	5.1
7	AVREF1	(Conecting to +5V)	-	5	5	5.1
8	CD_S0	CD data	I	0	0	0
9	CD_SI	CD data	O	0	0	2.8
10	CD_SCK	CD clock	O	0	0	5
11	CDC_DATA					
12	BATT	BATT detection	I	5	5	5
13	CDC_CLK					
14	REW_OUT					
15	BZ_OUT	Buzzer signal output	O	0	0	0
16	PLL_D0	PLL data	I	5.1	5.1	5.1
17	PLL_DI	PLL data	O	0	0	0
18	PLL_CLK	PLL clock	O	5	5	5.1
19	PLL_CE	PLL chip enable	O	0	0	0
20	NC	No connection	-	-	-	-
21	NC	No connection	-	-	-	-
22	MUTE	Mute control output	O	5	5	5.1
23	NC	No connection	-	-	-	-
24	CD_STB	CD strobe	-	0	0	5
25	CD_AO	CD AO	-	0	0	4.4
26	CD_RST					
27	CD_RFOK	CD RFOK	I	0	0	4.9
28	CD_LOCK	CD lock	I	0.5	0.3	4.9
29	CD_LIMIT(NC)	No connection	-	-	-	-
30	CD_SW2(NC)	No connection	-	-	-	-
31	NC	No connection	-	-	-	-

32	NC	No connection	-	-	-	-
33	VSS1	Ground	-	0	0	0
34	NC	No connection	-	-	-	-
35	ST	FM stereo signal input	I	5	5.1	5
36	SCL	Audio control clock	O	5	5	5.1
37	SDA	Audio control data	I/O	5	5	5.1
38	S_LED(NC)	No connection	-	-	-	-
39	NC	No connection	-	-	-	-
40	NC	No connection	-	-	-	-
41	LCD_DI	LCD driver data	O	0	0	0
42	LCD_DO	LCD driver data	I	5	5	5
43	LCD_CLK	LCD driver clock	O	0	0	0
44	LCD_CE	LCD driver chip enable	O	0	0	0
45	POW_LED	Power LED	O/I	0	0	0
46	ANT_CNT(NC)	No connection	-	-	-	-
47	ILL_CNT(NC)	No connection	-	-	-	-
48	NC	No connection	-	-	-	-
49	REM.IN_SUB (NC)	No connection	-	-	-	-
50	NC	No connection	-	-	-	-
51	NC	No connection	-	-	-	-
52	NC	No connection	-	-	-	-
53	NC	No connection	-	-	-	-
54	TEL MUTE	TEL mute	I	5	5	5
55	PANEL	PANEL in detection	I	4.8	4.8	4.8
56	CD_CNT	CD power control	O	0	0	5
57	PWR_CNT	Main power control	O	5	5	5.1
58	NC	No connection	-	-	-	-
59	RDS_DATA	RDS data input	I	2.8	0	2.8
60	RESET	System reset	I	5	5	5.1
61	REM_DATA	Remote control data	I	5	5	5
62	CD_SW1(NC)	No connection	-	-	-	-
63	RDS_CLK	RDS clock input	I	2.6	2.5	2.6
64	CDC_STB	Changer strobe signal	I	0	0	0
65	ROT.1	Rotary encoder signal 1	I	5	5	5.1
66	ROT.2	Rotary encoder signal 2	I	5	5	5.1
67	VSS0	Ground	-	0	0	0
68	VDD1	+5V power supply	-	5	5	5.1
69	X2	Crystal oscillator	-	2.8	2.8	2.8
70	X1	Crystal oscillator	I	2.6	2.6	2.6

71	VPP	Vpp	-	0	0	0
72	XT2	SUB Crystal oscillator	-	2.8	2.8	2.8
73	XT1	SUB Crystal oscillator	I	2.5	2.5	2.5
74	VDD0	+5V power supply	-	5	5	5.1
75	AVREF	+5V power supply	-	5	5	5.1
76	VSM	FM/AM SD input	I	0.5	0.8	0
77	ACC	ACC detection	I	5.2	5.2	5.2
78	INIT_A	(+5V pull up)	I	5	5	5.1
79	NC	(Ground pull down)	I	0	0	0
80	NC	(Ground pull down)	I	0	0	0

TOP PREVIOUS NEXT

10.2 Display Block

IC901 : YEAMLC75854T

Pin No.	Port	Description	I/O	(V)
1-35	S1-35	LCD segment data	O	2.5
36-39	NC	No connection	-	-
40-43	COM1-4	LCD common	O	2.5
44	NC	No connection	-	-
45-49	KS2-6	Key scan	O	5
50-54	Kl1-5	Key data	I	0
55	TEST	(Connecting to ground)	-	0
56	VDD	+5V power supply	-	5
57	VDD1	VDD1 filter terminal	-	3.3
58	VDD2	VDD2 filter terminal	-	1.7
59	VSS	Ground	-	0
60	OSC	Oscillator terminal	-	3.9
61	DO	Key data output	O	5
62	CE	LCD driver chip enable	I	0
63	CLK	LCD clock	I	4.9
64	DI	LCD data	I	4.9

10.3 CD Servo Block

IC401 : YESAM176

Pin No.	Port	Descriptions	I/O	(V)
1	CVSS1	GND	-	0
2	-	-	-	-
3	CVSS2	GND	-	0
4	DVSS1	I/O system (3.3V) power supply	-	3.3
5	A10	Address bus of FLASH ROM	O	0
6	-	No Connection	-	-
7	A11	Address bus of FLASH ROM	O	3.3
8	A12		O	3.3
9	A13		O	3.3
10	A14		O	3.3
11	A15		O	0
12	/CVDD1	CORE CPU system (1.6V) power supply	-	1.6
13	-	No Connection	-	-
14	DVSS1	GND	-	0
15	CVSS3	GND	-	0
16	/CVDD2	I/O system (3.3V) power supply	-	1.6
17	-	No Connection	-	-
18	-	No Connection	-	-
19	READY	-	-	3.3
20	/PS	FLASH ROM selection signal	O	3.3
21	-	No Connection	-	-
22	-	No Connection	-	-
23	R/W	Lead/light signal to FLASH ROM	O	3.3
24	/MSTRB	Memory access signal	O	3.3
25	-	-	-	-
26	/MSC	-	-	3.3
27	MUTE	Mute signal output (H:Mute on)	O	0
28	-	-	-	-
29	-	-	-	-
30	/HOLD	-	-	3.3
31	SUBO	SUBO input	I	0

32	MP/MC	Operation mode setting (external pull-up)	I	3.3
33	DVDD2	I/O system (3.3V) power supply	-	3.3
34	CVSS4	GND	-	0
35	(GND)	GND	I	0
36	-	-	-	-
37	CVSS5	GND	-	0
38	-	-	-	-
39	-	-	-	-
40	DVSS2	GND	-	0
41	CLK C M	AUDIO bit clock input	I	1.6
42	SCK	Clock input	I	3.3
43	LRCK C M	AUDIO L/R identifying signal input	I	1.6
44	CDFS	Serial frame sink signal input	I	2.6
45	DATA C M	AUDIO serial data input	I	1.6
46	-	-	-	-
47	SI	Serial data input	I	0
48	CLK M C	AUDIO bit clock output	O	1.6
49	SCK	Clock input	I	3.3
50	CVSS6	GND	-	0
51	-	-	-	-
52	CVDD3	CORE CPU system (1.6V) power supply	-	1.6
53	LRCK M C	AUDIO L/R identifying signal output	O	1.6
54	CDFS	Serial frame sink signal input	I	2.4
55	-	-	-	-
56	DVDD3	I/O system (3.3V) power supply	-	3.3
57	DVSS3	GND	-	0
58	REST SW	Mechanics deck REST SW input	I	3.3
59	DATA M C	AUDIO serial data output	O	1.6
60	SO	Serial data output	O	1.2
61	-	-	-	-
62	-	-	-	-
63	/NMI	-	-	3.3
64	/INT0	-	-	3.3
65	/INT1	-	-	3.3
66	BLKCK	Subcode block clock pulse input	I	0
67	/INT3	-	-	3.3
68	CVDD4	CORE CPU system (1.6V) power supply	-	1.6
69	SW1	Mechanics deck SW1 input	I	0
70	CVSS7	GND	-	0

71	MCLK	Clock output (To Servo DSP)	O	3.3
72	DVSS4	GND	-	0
73	MLD	Command load signal output (To Servo DSP)	I	3.3
74	MDATA	Command data output (To Servo DSP)	O	3.3
75	DVDD4	I/O system (3.3V) power supply	-	3.3
76	DVSS5	GND	-	0
77	-	Clock mode setting (L fixation)	I	0
78	-	Clock mode setting (H fixation)	I	3.3
79	-	Clock mode setting (L fixation)	I	0
80	-	No Connection	-	-
81	SW2	Mechanics deck SW2 input	I	0
82	-	No Connection	-	-
83	EMU0	-	-	0
84	EMU	-	-	3.3
85	TDO	-	-	3.3
86	TDI	-	-	0
87	TRST	-	-	3.3
88	TCK	-	-	0
89	TMS	-	-	3.3
90	CVSS8	GND	-	0
91	CVDD5	CORE CPU system (1.6V) power supply	-	1.6
92	(GND)	GND	-	0
93	DVSS6	GND	-	0
94	-	-	-	-
95	CLKENA	Oscillation output Cainabl signal	O	3.3
96	×1	Crystal Connection	O	0
97	×2	Crystal Connection	I	0
98	(VDD)	Reset signal input	I	1
99	D0	Data base of FLASH ROM	I/O	3.4
100	D1		I/O	0
101	D2		I/O	0
102	D3		I/O	0
103	D4		I/O	0
104	D5		I/O	0
105	A16	Address bus of FLASH ROM	O	0
106	DVSS7	GND	-	0
107	A17	Address bus of FLASH ROM	O	3.3
108	A18		O	0
109	A19		O	0

110	A20		O	0
111	CVSS9	GND	-	0
112	DVDD5	I/O system (3.3V) power supply	-	3.3
113	D6	Data bus of FLASH ROM	I/O	0
114	D7		I/O	0
115	D8		I/O	0
116	D9		I/O	0
117	D10		I/O	0
118	D11	Data bus of FLASH ROM	I/O	0
119	D12		I/O	0
120	STAT	Status signal input	I	0.4
121	D13	Data path of FLASH ROM	I/O	0
122	D14		I/O	0
123	D15		I/O	0
124	SQCK	SOCK clock output(To Servo DPS)	O	3.3
125	CVDD6	CORE CPU system (1.6V) power supply	-	1.6
126	CVSS10	GND	-	0
127	-	-	-	-
128	DVSS8	I/O system (3.3V) power supply	-	0
129	-	-	-	-
130	DVDD6	I/O system (3.3V) power supply	-	3.3
131	A0	Address bus of FLASH ROM	O	0
132	A1		O	0
133	A2		O	3.3
134	A3		O	3.3
135	/RST	Reset signal output(To Servo DSP)	O	3.3
136	A4	Address bus of FLASH ROM	O	3.3
137	A5		O	0
138	A6		O	3.3
139	A7		O	3.3
140	A8		O	0
141	A9		O	3.3
142	CVDD7	CORE CPU system (1.6V) power supply	-	1.6
143	-	-	-	0
144	DVSS9	GND	-	0

11 PACKAGE AND IC BLOCK DIAGRAM

TOP PREVIOUS NEXT

11.1 Main Block

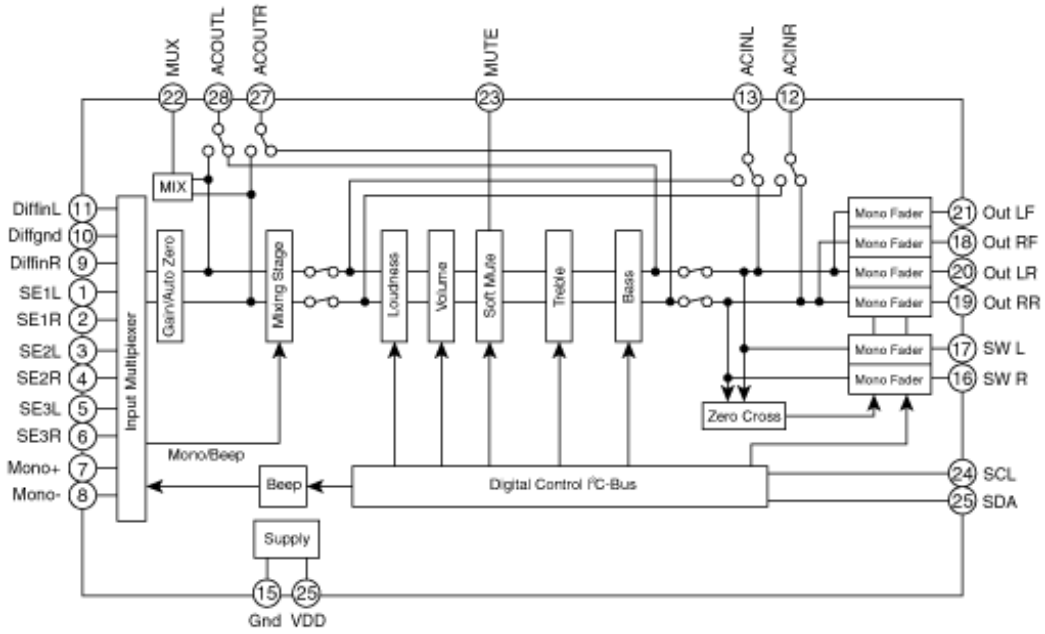
11.2 Display Block

11.3 CD Servo Block

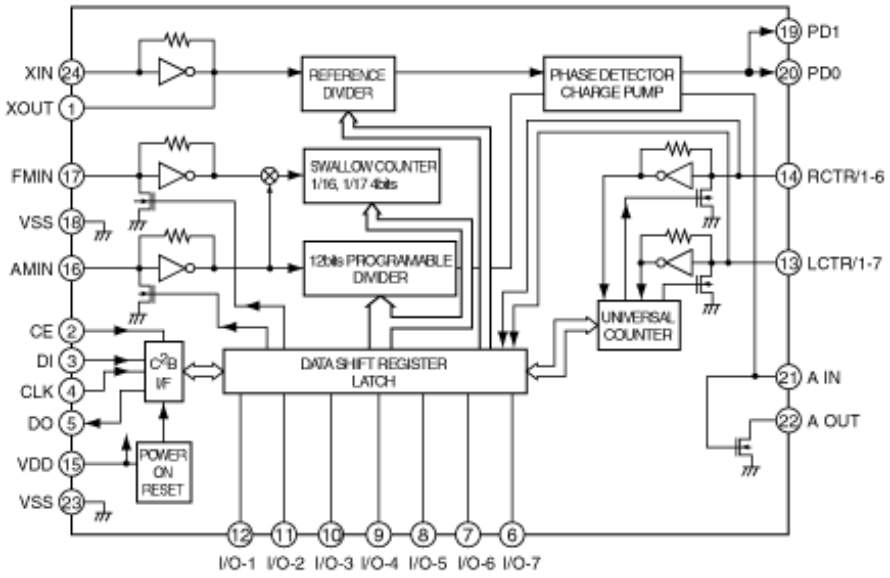
TOP PREVIOUS NEXT

11.1 Main Block

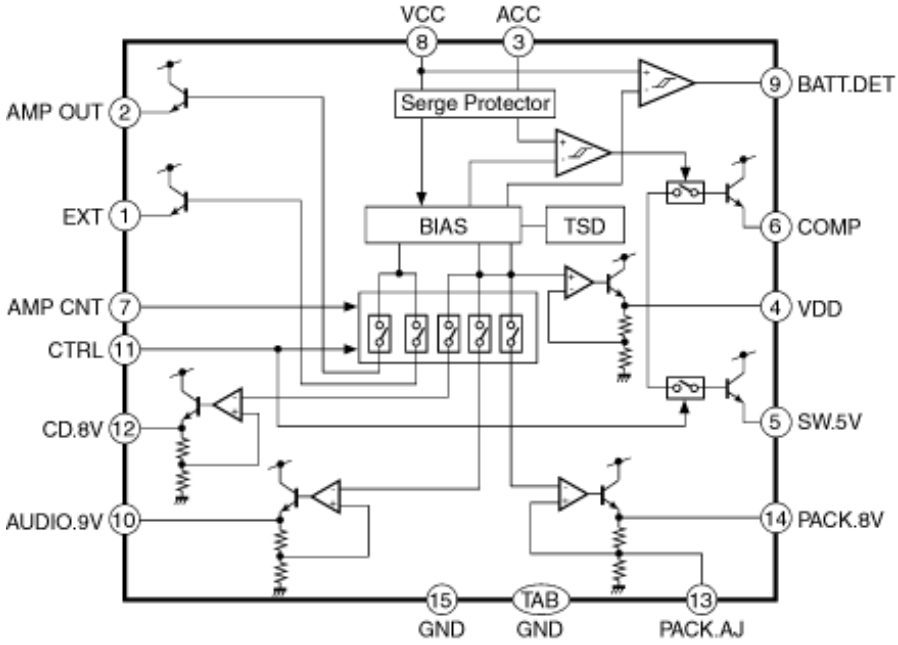
IC201 : C1BB00000543



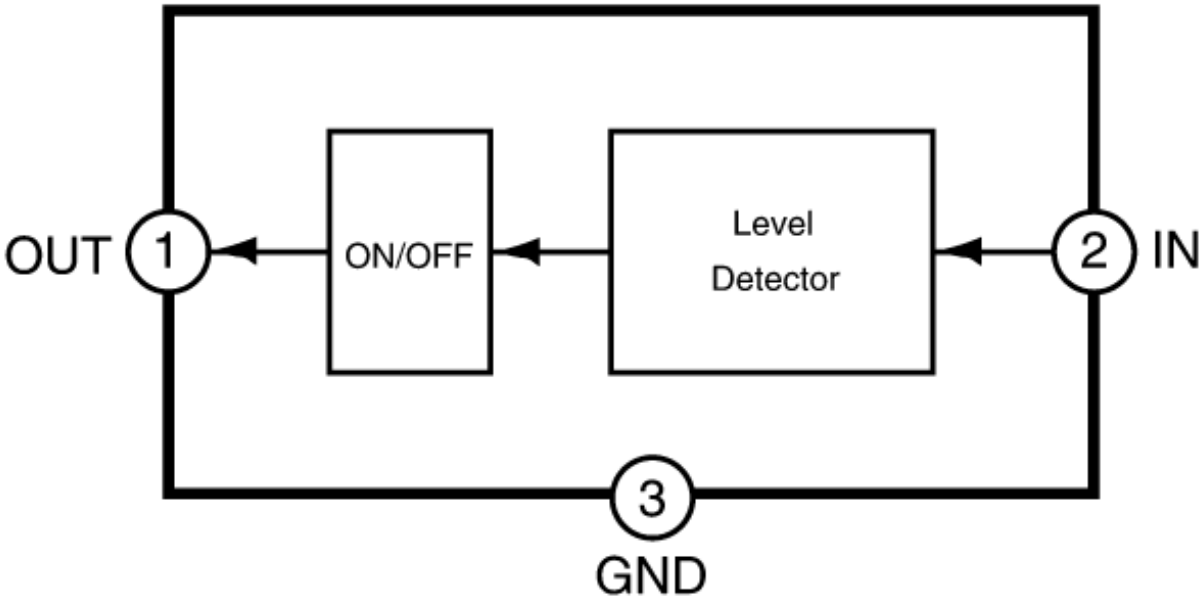
IC401 : C1BB00000644



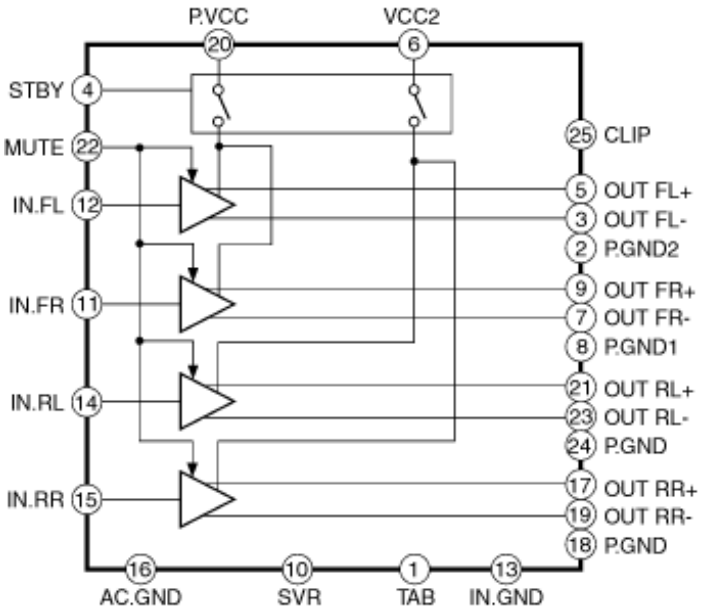
IC701 : C0DAZHH00007



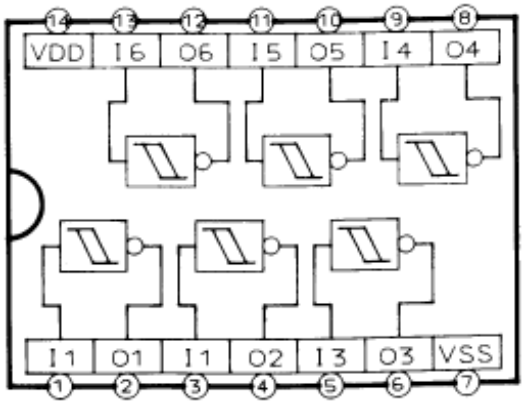
IC702 : MN1382QTX



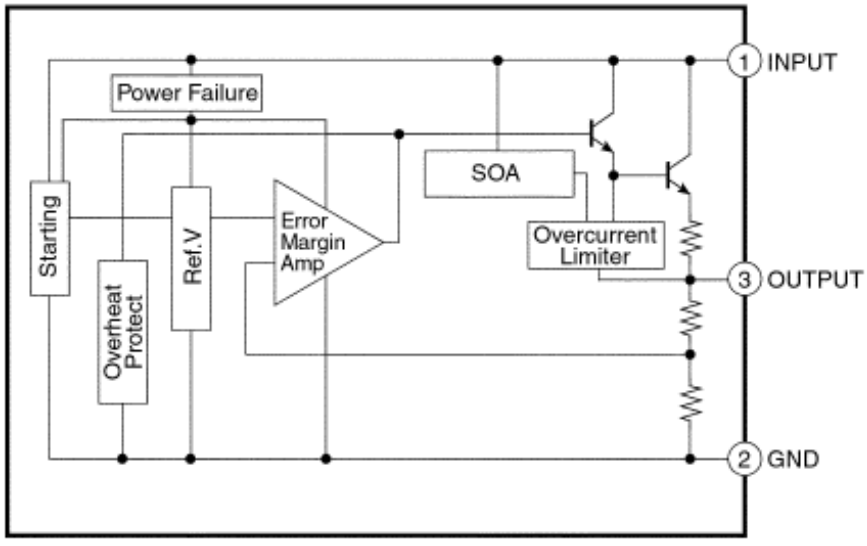
IC271 : C1EA00000036 (CQ-C1300AN/GN)



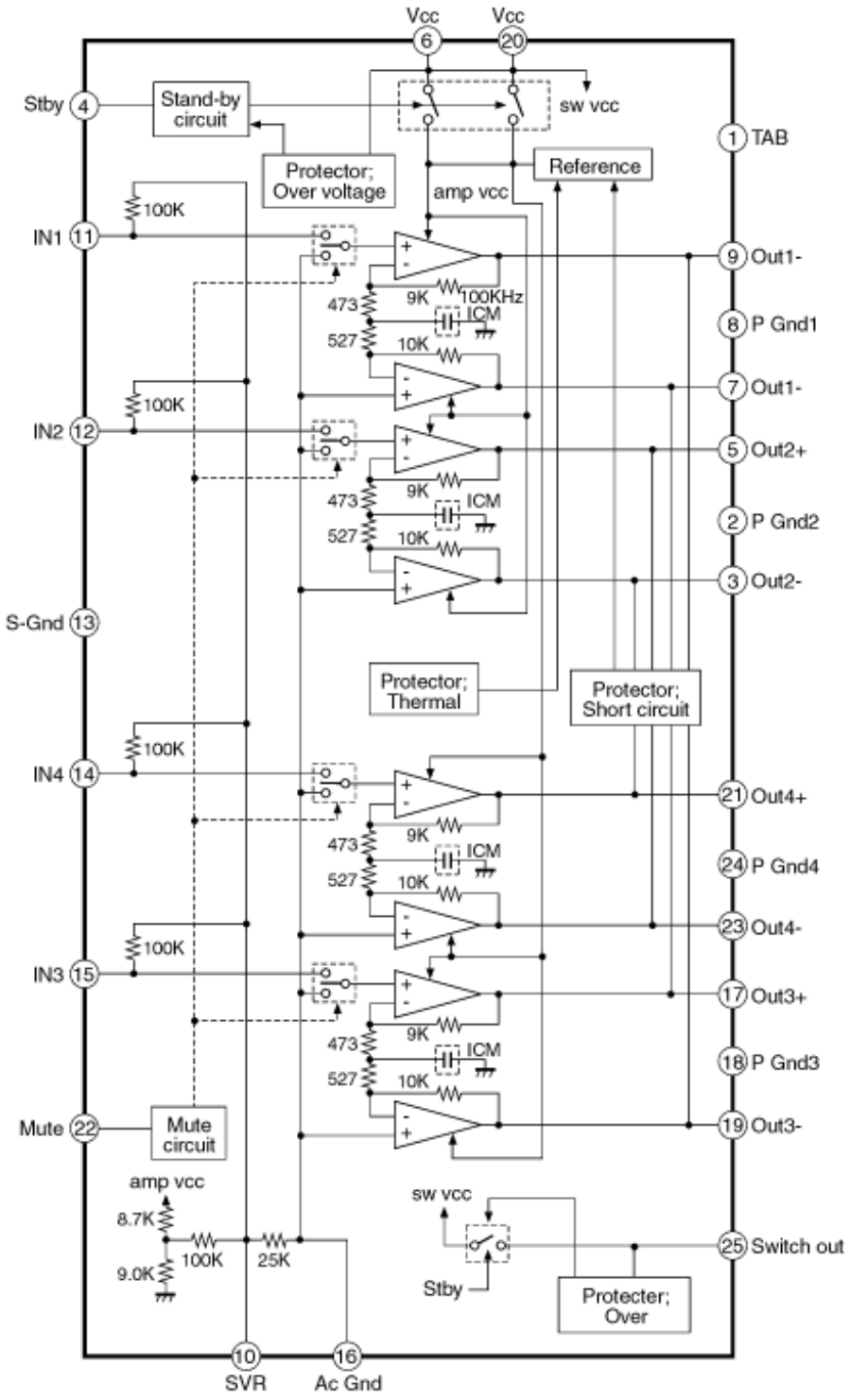
IC650 : YEAMC14584BE (CQ-C1400N)



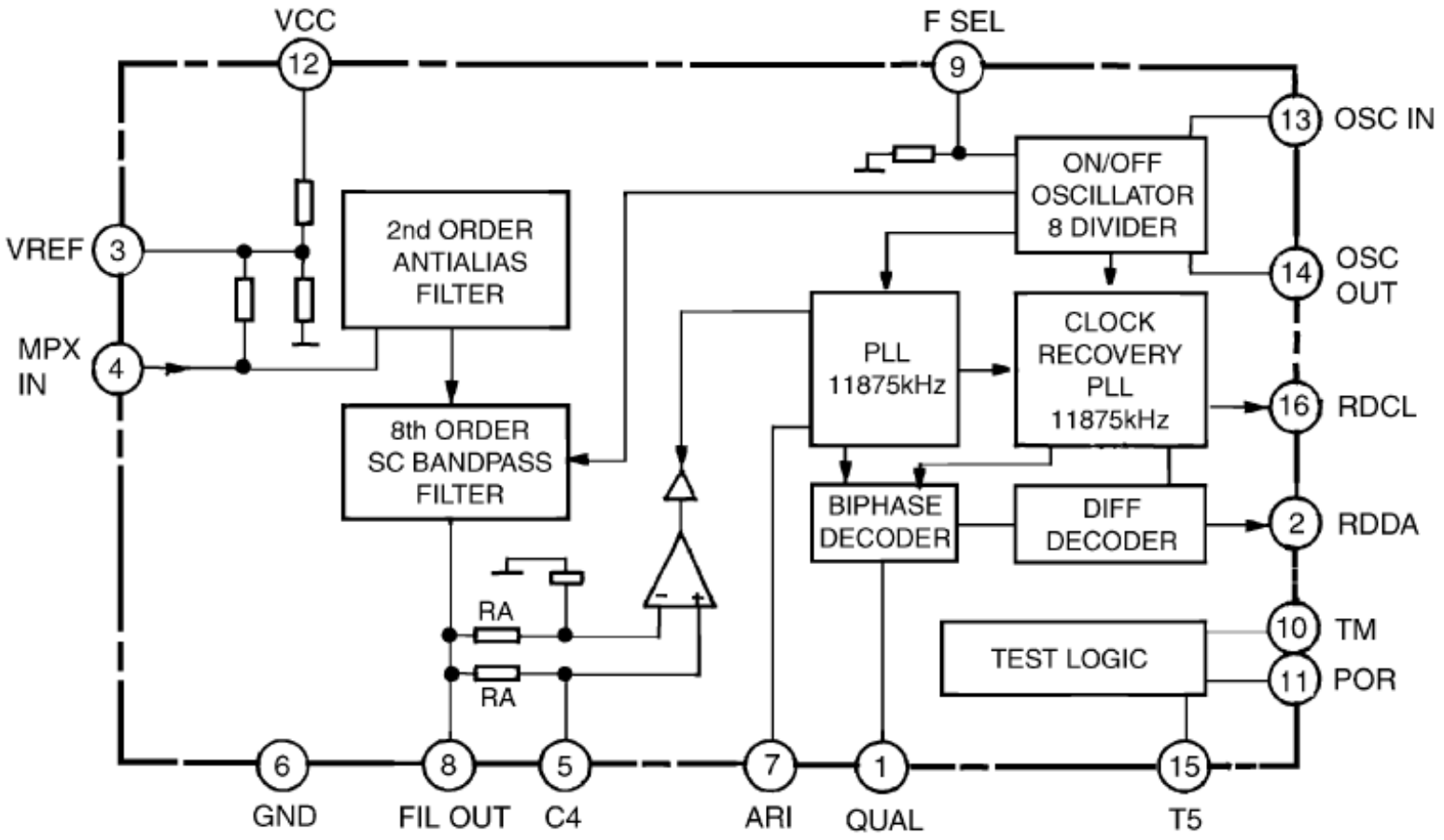
IC705 : C0CAABG00012



IC271 : C1EA00000034 (CQ-C1400N)



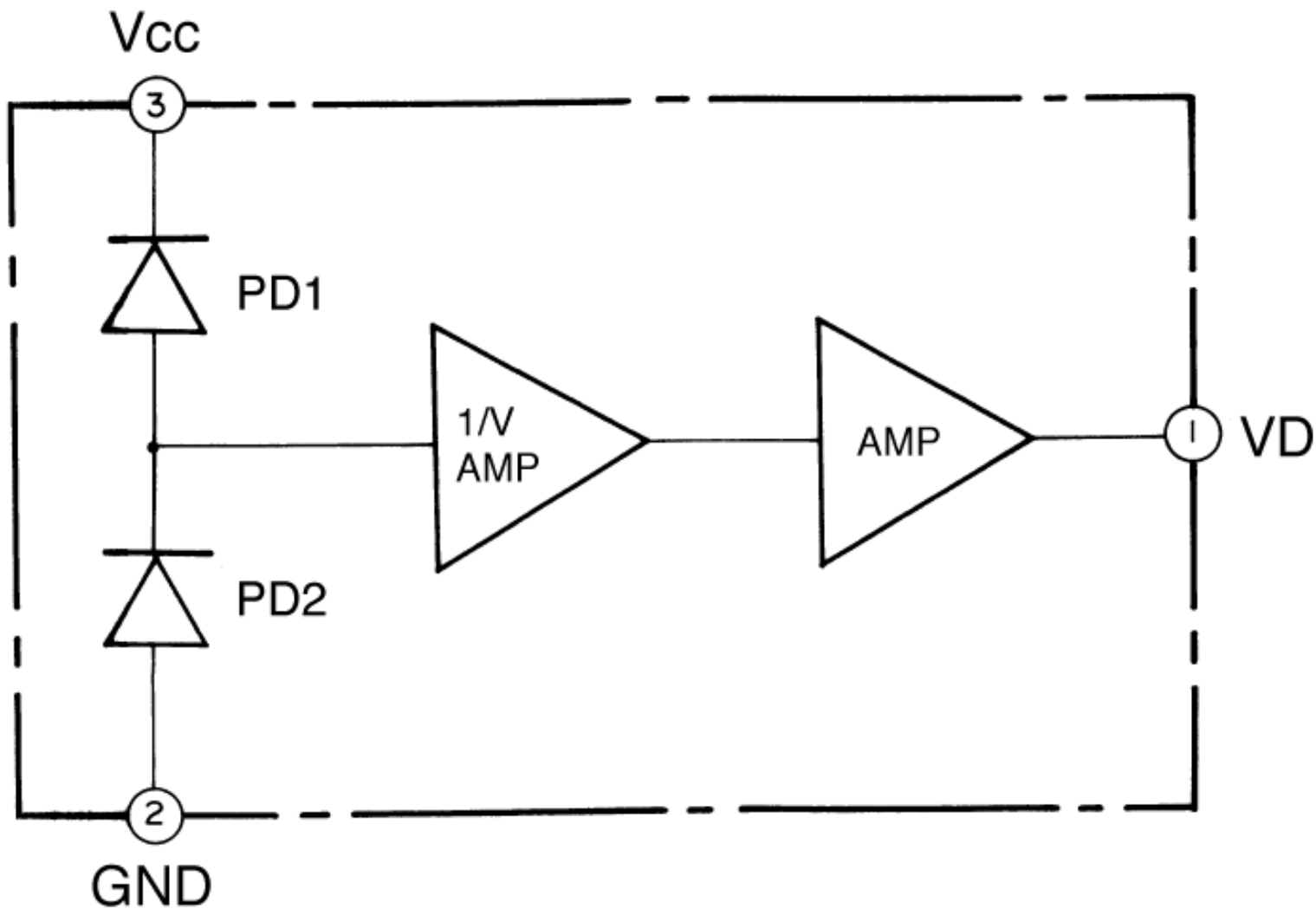
IC901 : YEAMDA7479D



TOP PREVIOUS NEXT

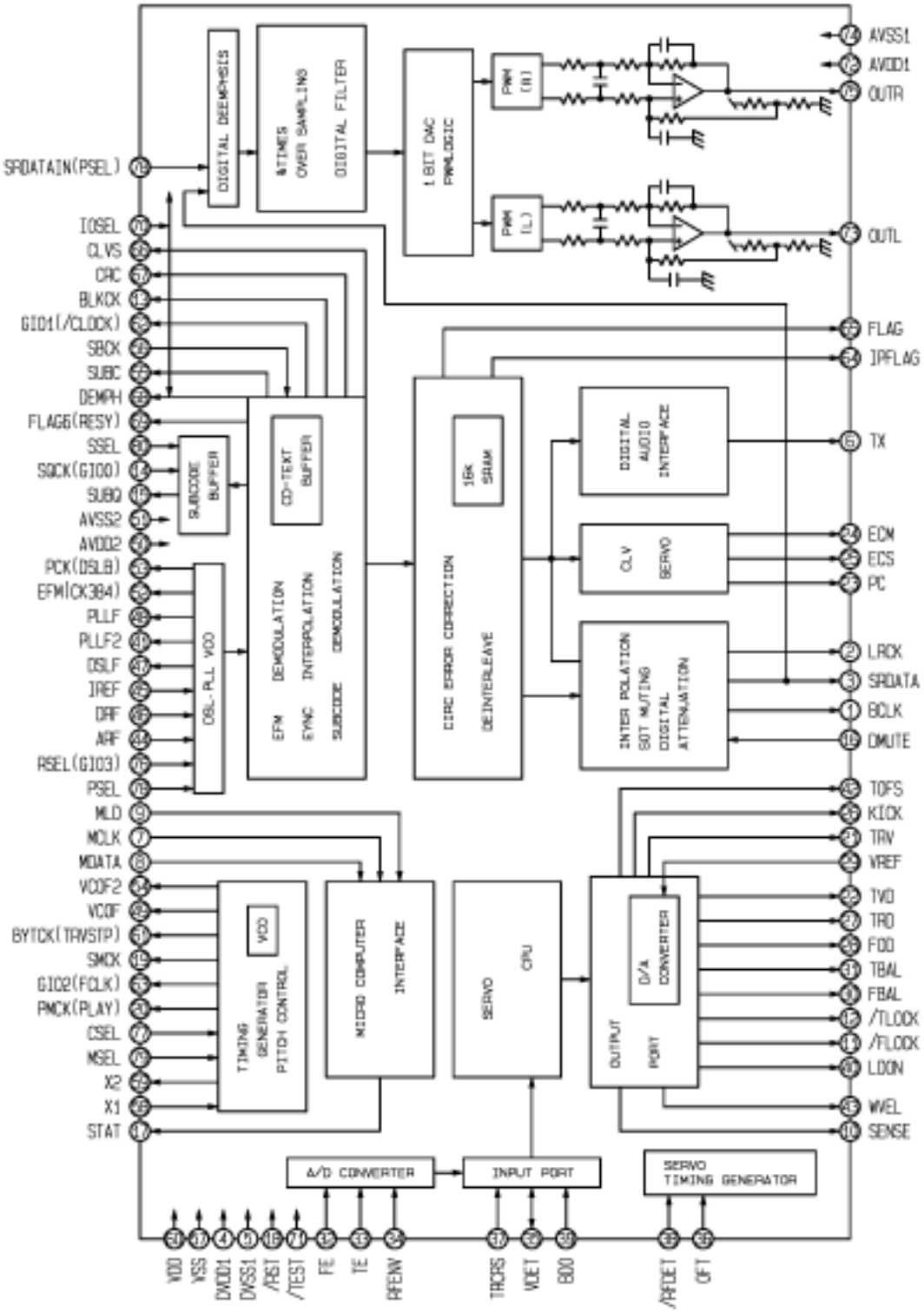
11.2 Display Block

IC902 : PNA4602M01MC

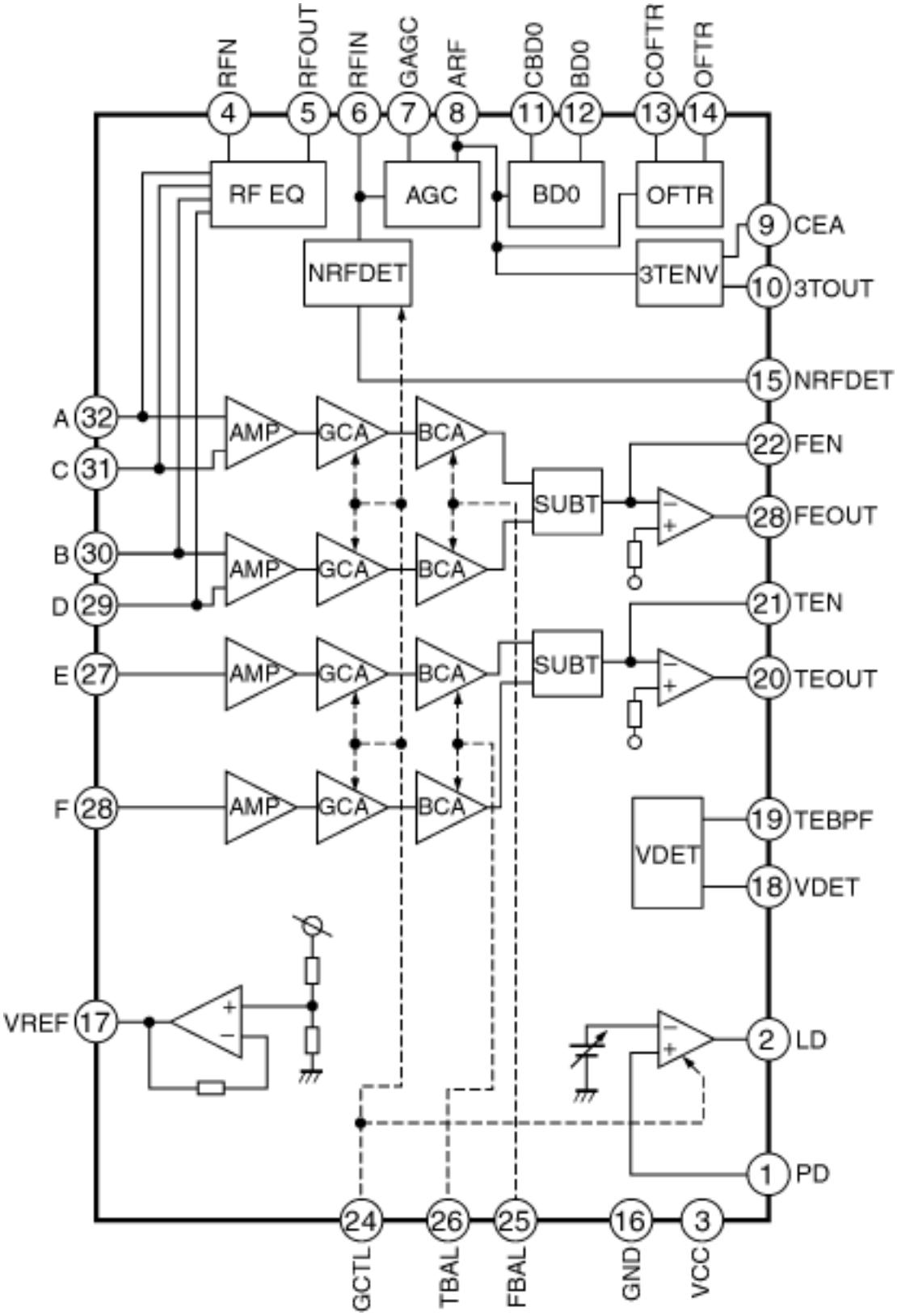


11.3 CD Servo Block

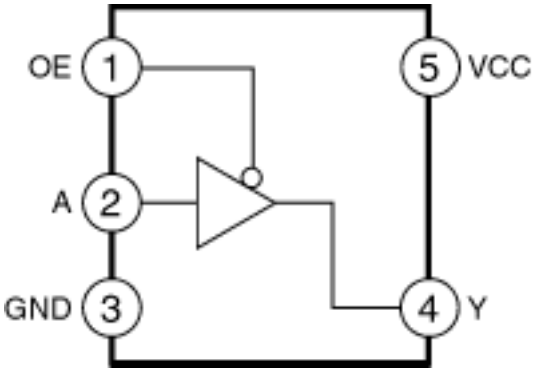
IC201 : MN6627482WB



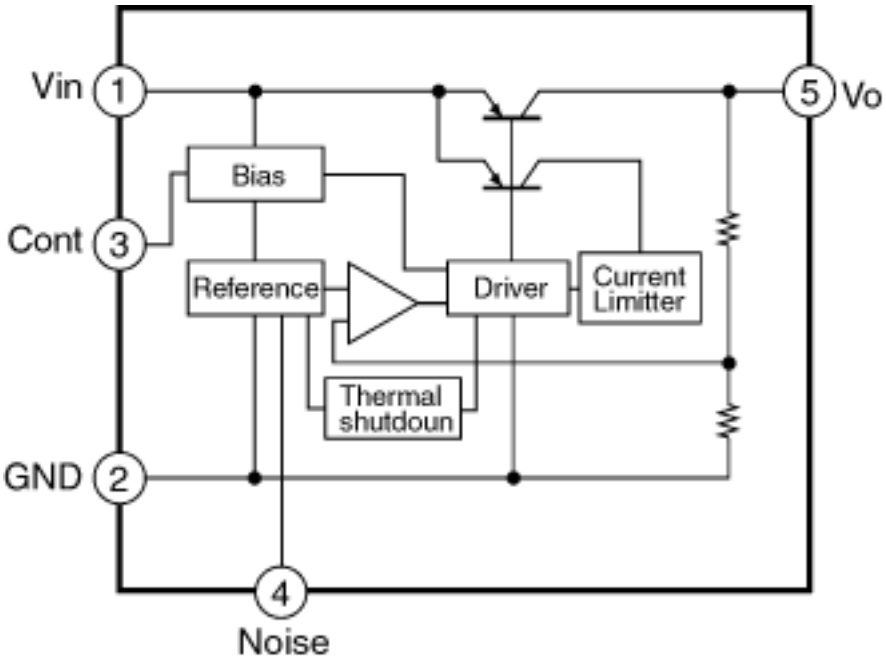
IC202 : YESAM163



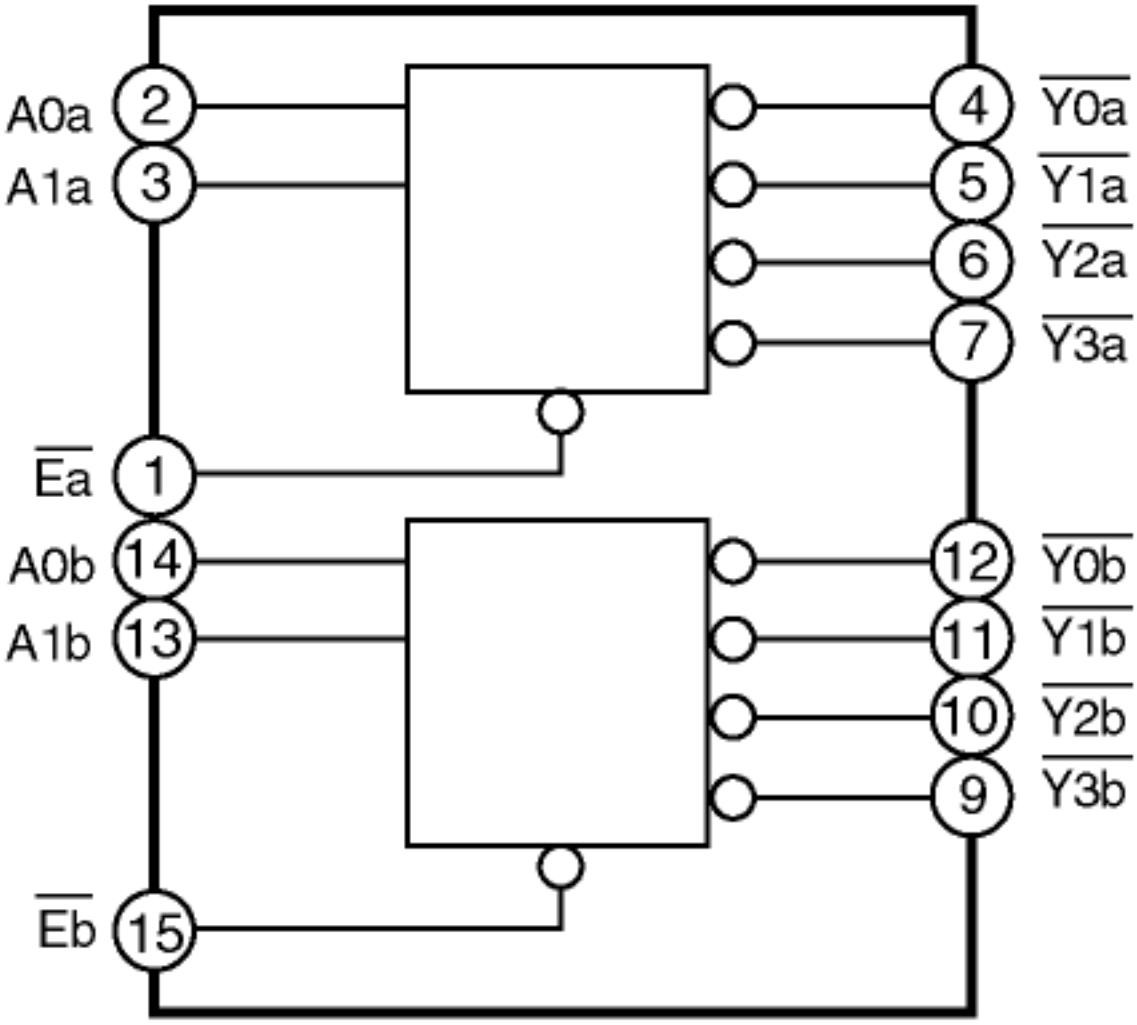
IC409 : YESAM167



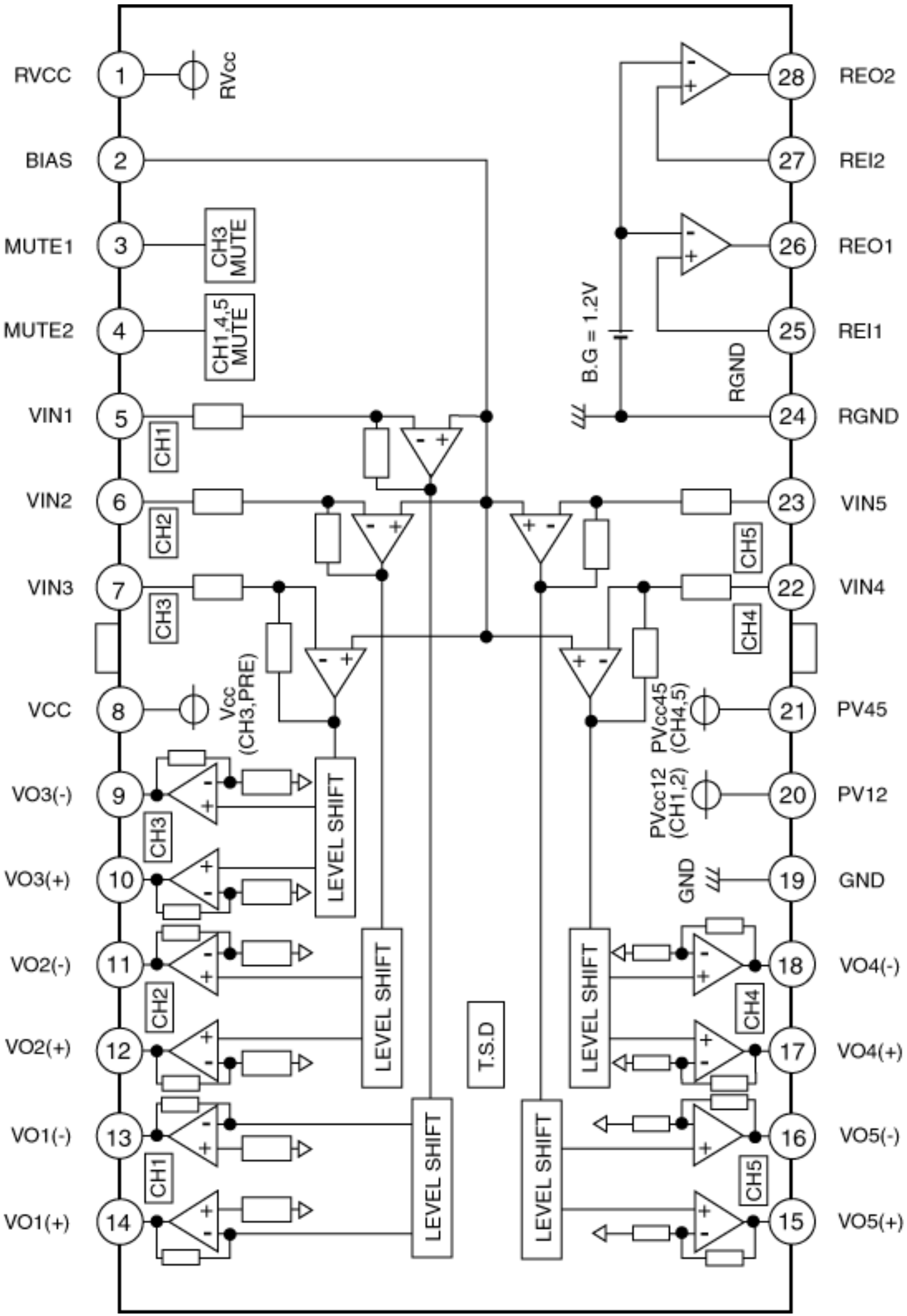
IC411 : YESAM178

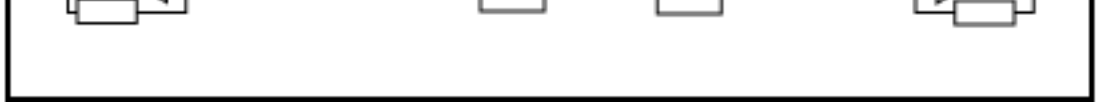


IC406 : YESAM171



IC203 : YESAM166


RVCC
1
RVcc
BIAS
2
MUTE1
3
CH3 MUTE
MUTE2
4
CH1,4,5 MUTE
VIN1
5
CH1
VIN2
6
CH2
VIN3
7
CH3
VCC
8
Vcc (CH3,PRE)
VO3(-)
9
CH3
VO3(+)
10
LEVEL SHIFT
VO2(-)
11
CH2
VO2(+)
12
LEVEL SHIFT
VO1(-)
13
CH1
VO1(+)
14
LEVEL SHIFT
T.S.D
LEVEL SHIFT
LEVEL SHIFT
28
REO2
27
REI2
26
REO1
B.G = 1.2V
25
REI1
RGND
24
RGND
23
VIN5
CH5
22
VIN4
CH4
21
PV45
PVcc45 (CH4,5)
PVcc12 (CH1,2)
20
PV12
GND
19
GND
18
VO4(-)
CH4
17
VO4(+)
16
VO5(-)
CH5
15
VO5(+)



TOP PREVIOUS NEXT

12 REPLACEMENT PARTS LIST [CQ-C1400N]

TOP PREVIOUS NEXT

Notes :

1. Be sure to make your orders of replacement parts according to this list.

2. Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer´s specified parts.

3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.

4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependenton the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

    - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[E6983] Main/Connector Block			
IC´s AND TRANSISTORs			
IC201	C1BB00000543	IC	
IC271	C1EA00000034	IC	
IC401	C1BB00000644	IC	
IC601	C2CBJG000376	IC	
IC620	YEAMT7ST08UL	IC	
IC650	YEAMC14584BE	IC	
IC701	C0DAZHH00007	IC	
IC702	MN1382QTX	IC	
IC705	C0CAABG00012	IC	
IC901	YEAMDA7479D	IC	
PA51	C5BA00000110	Electronic Tuner	
Q50	YEANFP1F3PT1	Transistor	

Q51	B1GBCFNN0004	Transistor	
Q52	B1GDCFNN0002	Transistor	
Q53	B1ABCF000044	Transistor	
Q60	B1AAEC000002	Transistor	
Q253	YEANC323TUTX	Transistor	
Q255	YEANC323TUTX	Transistor	
Q353	YEANC323TUTX	Transistor	
Q355	YEANC323TUTX	Transistor	
Q401	YEAN2SK536TB	Transistor	
Q620	YEANC114YKX	Transistor	
Q660	B1GDCFJJ0002	Transistor	
Q661	B1GDCFJJ0002	Transistor	
Q702	B1BBAC000007	Transistor	
Q709	B1GDCFNN0002	Transistor	
Q710	B1GBCFCJ0005	Transistor	
Q711	YEAND1762EF	Transistor	
Q712	YEANC114YKX	Transistor	
Q713	YEANHQ1F3PT1	Transistor	
DIODEs			
D270	YEADDSM1D2T7	Diode	
D271	YEADDSM1D2T7	Diode	
D272	YEADDSM1D2T7	Diode	
D273	YEADDSM1D2T7	Diode	
D370	YEADDSM1D2T7	Diode	
D371	YEADDSM1D2T7	Diode	
D372	YEADDSM1D2T7	Diode	
D373	YEADDSM1D2T7	Diode	
D602	B0ADCJ000020	Diode	
D603	MA152WATX	Diode	
D608	MA721TX	Diode	
D651	MA721TX	Diode	
D652	MA8056LMHTX	Diode	
D653	MA8056LMHTX	Diode	
D654	MA8056LMHTX	Diode	
D701	YEADDSA3A2B	Diode	
D702	MA736TX	Diode	
D703	B0AACK000004	Diode	

D704	YEADRD56JS2	Diode	
D709	B0BA6R700008	Diode	
D716	B0AACK000004	Diode	
D718	MA723TA	Diode	
D719	YEADRD82JST1	Diode	
D720	YEADDSM1D2T7	Diode	
D721	B0AACK000004	Diode	
CAPACITORs			
C51	F1J1H103A513	Ceramic, 0.01•F 50WV	
C52	F1J1H103A513	Ceramic, 0.01•F 50WV	
C53	ECEA1AKS221I	Electrolytic, 220•F 10WV	
C54	YECUS1H183KX	Ceramic, 0.018•F 50WV	
C55	YECUS1H183KX	Ceramic, 0.018•F 50WV	
C56	YECUS1H470JC	Ceramic, 47PF 50WV	
C57	F1J1H1020024	Ceramic, 1000PF 50WV	
C58	F1J1H471A672	Ceramic, 470PF 50WV	
C59	ECEA1AKS330I	Electrolytic, 33•F 10WV	
C203	F1J1C1050013	Ceramic, 1•F 16WV	
C204	F1J1C1050013	Ceramic, 1•F 16WV	
C205	F2A1H1R0A154	Electrolytic, 1•F 50WV	
C206	YECUS1C104KX	Ceramic, 0.1•F 16WV	
C207	F1J1A2250004	Ceramic, 2.2•F 10WV	
C208	F2A1H2R2A154	Electrolytic, 2.2•F 50WV	
C210	F2A1C100A150	Electrolytic, 10•F 16WV	
C211	YECUS1C104KX	Ceramic, 0.1•F 16WV	
C212	ECEA1AKS221I	Electrolytic, 220•F 10WV	
C251	F2A1E4R70028	Electrolytic, 4.7•F 25WV	
C252	F2A1E4R70028	Electrolytic, 4.7•F 25WV	
C261	F1J1E4740001	Ceramic, 0.47•F 25WV	
C271	F1J1E4740001	Ceramic, 0.47•F 25WV	
C272	F2A1C220A150	Electrolytic, 22•F 16WV	
C273	F2A1H1R0A154	Electrolytic, 1•F 50WV	
C274	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
C275	F2A1C470A150	Electrolytic, 47•F 16WV	
C276	F1J1H122A675	Ceramic, 1200PF 50WV	
C277	F1J1H122A675	Ceramic, 1200PF 50WV	
C278	F1J1H122A675	Ceramic, 1200PF 50WV	

C279	F1J1H122A675	Ceramic, 1200PF 50WV	
C280	F2A1H2R2A154	Electrolytic, 2.2•F 50WV	
C281	ECA1CDT332Y	Electrolytic, 3300•F 16WV	
C282	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
C303	F1J1C1050013	Ceramic, 1•F 16WV	
C304	F1J1C1050013	Ceramic, 1•F 16WV	
C305	F2A1H1R0A154	Electrolytic, 1•F 50WV	
C308	F2A1H2R2A154	Electrolytic, 2.2•F 50WV	
C351	F2A1E4R70028	Electrolytic, 4.7•F 25WV	
C352	F2A1E4R70028	Electrolytic, 4.7•F 25WV	
C361	F1J1E4740001	Ceramic, 0.47•F 25WV	
C371	F1J1E4740001	Ceramic, 0.47•F 25WV	
C401	F1J1H120A025	Ceramic, 12PF 50WV	
C402	F1J1H120A025	Ceramic, 12PF 50WV	
C403	F2A0J101A164	Electrolytic, 100•F 6.3WV	
C404	F1J1H103A513	Ceramic, 0.01•F 50WV	
C405	F1J1H101A672	Ceramic, 100PF 50WV	
C406	YECUS1H153KX	Ceramic, 0.015•F 50WV	
C407	ECQV1H104B46	Plastic Film, 0.1•F 50WV	
C408	F1J1H103A513	Ceramic, 0.01•F 50WV	
C409	ECEA1AKS221I	Electrolytic, 220•F 10WV	
C410	ECEA1AKS221I	Electrolytic, 220•F 10WV	
C411	ECEA1AKS221I	Electrolytic, 220•F 10WV	
C600	YECUS1C104KX	Ceramic, 0.1•F 16WV	
C601	F1J1H103A513	Ceramic, 0.01•F 50WV	
C602	F1J1H103A513	Ceramic, 0.01•F 50WV	
C603	YECUS1H220JC	Ceramic, 22PF 50WV	
C604	F1J1H200A025	Ceramic, 20PF 50WV	
C605	F1J1H120A025	Ceramic, 12PF 50WV	
C606	F1J1H120A025	Ceramic, 12PF 50WV	
C607	YECUS1C104KX	Ceramic, 0.1•F 16WV	
C608	F1J1H103A513	Ceramic, 0.01•F 50WV	
C609	F2A0J331A164	Electrolytic, 330•F 6.3WV	
C610	EECS0HD473H	Electrolytic, 0.047•F 5.5WV	
C612	F1J1H103A513	Ceramic, 0.01•F 50WV	
C613	F1J1H103A513	Ceramic, 0.01•F 50WV	
C614	F1J1H103A513	Ceramic, 0.01•F 50WV	
C636	YECUV2A103KX	Ceramic, 0.01•F 100WV	
C651	F1J1H103A513	Ceramic, 0.01•F 50WV	

C655	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
C656	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
C660	F2A1H1R0A154	Electrolytic, 1•F 50WV	
C661	F1J1H103A513	Ceramic, 0.01•F 50WV	
C670	F1J1H103A513	Ceramic, 0.01•F 50WV	
C700	ECA1CDT102BQ	Electrolytic, 1000•F 16WV	
C701	F2A1C101A150	Electrolytic, 100•F 16WV	
C702	F2A0J470A164	Electrolytic, 47•F 6.3WV	
C708	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
C709	F1J1H103A513	Ceramic, 0.01•F 50WV	
C717	YECUS1C224KX	Ceramic, 0.22•F 16WV	
C719	YECUS1C224KX	Ceramic, 0.22•F 16WV	
C720	EEAFC1A820H	Electrolytic, 82•F 10WV	
C721	YECUS1C104KX	Ceramic, 0.1•F 16WV	
C722	YECUS1C104KX	Ceramic, 0.1•F 16WV	
C723	YECUS1C104KX	Ceramic, 0.1•F 16WV	
C724	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
C725	EEAFC1A820H	Electrolytic, 82•F 10WV	
C726	YECUS1C104KX	Ceramic, 0.1•F 16WV	
C727	YECUS1C104KX	Ceramic, 0.1•F 16WV	
C728	YECUS1C104KX	Ceramic, 0.1•F 16WV	
C732	F2A1C470A150	Electrolytic, 47•F 16WV	
C901	YECUS1C104KX	Ceramic, 0.1•F 16WV	
C902	YECUS1H100CC	Ceramic, 10PF 50WV	
C903	YECUS1H100CC	Ceramic, 10PF 50WV	
C904	F1J1H103A513	Ceramic, 0.01•F 50WV	
C905	F2A0J470A164	Electrolytic, 47•F 6.3WV	
C906	F1J1H271A672	Ceramic, 270PF 50WV	
C907	F2A1C100A150	Electrolytic, 10•F 16WV	
J254	YECUV2A103KX	Ceramic, 0.01•F 100WV	
RESISTORs			
J107	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J108	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J111	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J112	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J113	ERJ6GEY0R00V	Chip, 0Ω 1/10W	

J114	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J118	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J120	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J130	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J132	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J133	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J200	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J201	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J202	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J203	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J204	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J205	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J206	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J207	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J208	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J209	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J218	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J219	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J220	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J223	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J225	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J226	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J227	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J229	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J230	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J231	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J232	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J237	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J238	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J239	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J240	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J241	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J247	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J248	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J249	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J250	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J251	ERJ8GX0R00V	Chip, 0Ω 1/8W	

J252	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J253	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J255	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J256	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J257	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J258	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J259	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J260	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J261	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J262	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J263	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J264	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J265	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J266	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J267	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J271	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J272	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J274	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J275	ERJ8GX0R00V	Chip, 0Ω 1/8W	
L201	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
L301	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
L310	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R50	ERJ6GEYJ5R6V	Chip, 5.6Ω 1/10W	
R51	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R52	ERJ8GEYJ101V	Chip, 100Ω 1/8W	
R53	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R55	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R56	ERJ6GEYJ334	Chip, 330kΩ 1/10W	
R57	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R58	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R60	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R200	ERJ6GEYJ363V	Chip, 36kΩ 1/10W	
R201	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R202	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R203	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R204	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R205	ERJ6GEYJ473	Chip, 47kΩ 1/10W	

R251	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R252	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R253	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R254	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R255	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R256	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R300	ERJ6GEYJ363V	Chip, 36kΩ 1/10W	
R301	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R302	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R303	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R304	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R305	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R351	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R352	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R353	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R354	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R355	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R356	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R401	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R402	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R403	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R404	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R405	ERJ6GEYJ182	Chip, 1.8kΩ 1/10W	
R406	ERJ8GEYJ561V	Chip, 560Ω 1/8W	
R411	ERJ8GEYJ100V	Chip, 10Ω 1/8W	
R412	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R601	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R607	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R608	ERJ6GEYJ153	Chip, 15kΩ 1/10W	
R611	ERJ6GEYJ122	Chip, 1.2kΩ 1/10W	
R612	ERD25TJ102T	Carbon, 1kΩ 1/4W	
R613	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R614	ERD25TJ102T	Carbon, 1kΩ 1/4W	
R615	ERD25TJ102T	Carbon, 1kΩ 1/4W	
R616	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R617	ERJ8GEYJ473V	Chip, 47kΩ 1/8W	
R618	ERJ6GEYJ471	Chip, 470Ω 1/10W	

R619	ERDS2FJ100T	Carbon, 10Ω 1/4W	
R620	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R623	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R624	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R625	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R626	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R627	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R628	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R629	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R631	ERJ6GEYJ184	Chip, 180kΩ 1/10W	
R633	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R634	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R635	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R636	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R637	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R640	ERJ6GEYJ822	Chip, 8.2kΩ 1/10W	
R641	ERJ6GEYJ333	Chip, 33kΩ 1/10W	
R645	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R646	ERJ6GEYJ512V	Chip, 5.1kΩ 1/10W	
R647	ERJ6GEYJ512V	Chip, 5.1kΩ 1/10W	
R648	ERJ6GEYJ512V	Chip, 5.1kΩ 1/10W	
R649	ERJ6GEYJ512V	Chip, 5.1kΩ 1/10W	
R650	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R651	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R652	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R653	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R660	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R661	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R662	ERJ6GEYJ682	Chip, 6.8kΩ 1/10W	
R663	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R665	ERD25TJ272T	Carbon, 2.7kΩ 1/4W	
R666	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R667	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R668	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R670	ERJ6GEYJ154	Chip, 150kΩ 1/10W	
R671	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R672	ERD25TJ822	Carbon, 8.2kΩ 1/4W	

R680	ERJ6GEYJ824	Chip, 820kΩ 1/10W	
R681	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R682	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R684	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R685	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R686	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R687	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R688	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R689	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R702	ERJ8GEYJ4R7V	Chip, 4.7Ω 1/8W	
R703	ERJ6GEYJ682	Chip, 6.8kΩ 1/10W	
R704	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R705	ERJ6GEYJ822	Chip, 8.2kΩ 1/10W	
R709	ERD25TJ123T	Carbon, 12kΩ 1/4W	
R710	ERJ6GEYJ113V	Chip, 11kΩ 1/10W	
R712	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R713	ERJ6GEYJ154	Chip, 150kΩ 1/10W	
R714	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R715	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R716	ERDS2FJ1R0T	Carbon, 1Ω 1/4W	
R717	ERDS2FJ3R3T	Carbon, 3.3Ω 1/4W	
R718	ERDS2TJ271T	Carbon, 270Ω 1/4W	
R719	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R721	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R901	ERJ6GEYJ225V	Chip, 2.2MΩ 1/10W	
R902	ERJ8GEYJ103V	Chip, 10kΩ 1/8W	
R903	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
CONNECTORs			
CN251	YEAE012503	Connector 4P	
CN301	K2HA104B0010	Jack	
CN601	YEAE012475	Connector 12P	
CN620	K1KA18A00074	Connector 18P	
CN660	YEAE0616YAA	Connector 6P	
CN680	YEAE012307	Connector 8P	
CN701	K1FA116B0028	Connector 16P	

COILs			
L50	RLQZP150KT-Y	RF Coil	
L51	G0CR56KA0029	RF Coil	
L401	YELT02C101KT	Coil	
L701	YETQ026F143	Coil	
L702	YELT02C330KT	Coil	
L901	YELT02C330KT	Coil	
CRYSTALs			
XL401	H0D720400006	Crystal Oscillator	
XL601	H0D125500006	Crystal Oscillator	
XL602	H0A327200080	Crystal Oscillator	
XL901	H0D433400003	Crystal Oscillator	
LAMP			
Z50	YEAL02010T	Lamp	
THERMISTOR			
PT701	YERT7AR4R7MT	Thermistor	
VARISTOR			
Z715	ERZV07D470	Varistor	
[E9408] Display Block			
IC´s AND TRANSISTORs			
IC901	YEAMLC75854T	IC	
IC902	PNA4602M01MC	IC	
Q901	B1GDCFJJ0002	Transistor	
DIODEs			
D901	MA8056LMHTX	Diode	
D902	MA8056LMHTX	Diode	
D903	MA8056LMHTX	Diode	
D904	MA8056LMHTX	Diode	

D905	MA8056LMHTX	Diode	
D909	B3AFB0000039	Diode	
D913	B3AAB0000143	Diode	
D914	B3AAB0000143	Diode	
D915	B3AAB0000143	Diode	
D916	B3AAB0000143	Diode	
D917	B3AAB0000143	Diode	
D918	B3AAB0000143	Diode	
D919	B3AAB0000143	Diode	
D920	B3AAB0000143	Diode	
D921	B3AAB0000143	Diode	
D922	B3AAB0000143	Diode	
D923	B3AAB0000143	Diode	
D924	B3AAB0000143	Diode	
D925	B3AAB0000143	Diode	
D926	B3AAB0000143	Diode	
D927	B3AAB0000143	Diode	
D928	B3AAB0000143	Diode	
D930	B3AAB0000143	Diode	
CAPACITORs			
C901	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
C902	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
C903	YECUS1H681JC	Ceramic, 680PF 50WV	
C904	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
C905	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
C906	F1J1H1020024	Ceramic, 1000PF 50WV	
C907	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
RESISTORs			
R901	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R902	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R903	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R904	ERJ6GEYJ1R0V	Chip, 1Ω 1/10W	
R905	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R906	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R907	ERJ6GEYJ102	Chip, 1kΩ 1/10W	

R908	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R909	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R910	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R911	ERJ6GEYJ681	Chip, 680Ω 1/10W	
R920	ERJ8GEYJ471V	Chip, 470Ω 1/8W	
R921	ERJ8GEYJ681V	Chip, 680Ω 1/8W	
R923	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R924	ERJ6GEYJ391	Chip, 390Ω 1/10W	
R925	ERJ6GEYJ391	Chip, 390Ω 1/10W	
R927	ERJ6GEYJ122	Chip, 1.2kΩ 1/10W	
R928	ERJ6GEYJ621V	Chip, 620Ω 1/10W	
R929	ERJ6GEYJ621V	Chip, 620Ω 1/10W	
CONNECTOR			
CJ601	YEAE012476	Connector 12P	
SWITCHes			
SW901	K9AA024A0007	Switch	
SW902	K0H1BA000445	Switch	
SW903	K0H1BA000445	Switch	
SW904	K0H1BA000445	Switch	
SW905	K0H1BA000445	Switch	
SW906	K0H1BA000445	Switch	
SW907	K0H1BA000445	Switch	
SW908	K0H1BA000445	Switch	
SW909	K0H1BA000445	Switch	
SW910	K0H1BA000445	Switch	
SW911	K0H1BA000445	Switch	
SW912	K0H1BA000445	Switch	
SW913	K0H1BA000445	Switch	
SW914	K0H1BA000445	Switch	
SW915	K0H1BA000445	Switch	
SW916	K0H1BA000445	Switch	
SW917	K0H1BA000445	Switch	
LCD			
LCD901	L5ACBJB00004	LCD	

Accessories			
PRINTING			
	YEFM284135	Operating Instructions	
	YEFM293250	Installation Instructions	
	YEFM293251	Installation Instructions	
INSTALLATION PARTs			
	YEFA131646	Removable Face Plate Case	
	YEFX0215873	Mounting Collar	
	YEFC05609	Trim Plate	
	YEAJ02874	Power Connector	
	YEP0FZ3264	Accessory Kit (ISO Antenna Adapter, Lock Cancel Plate, Mounting Bolt)	
Mechanical Parts			
MISCELLANEOUS			
ANT51	YGAA10082	Antenna Receptacle	
AT1	K4ZZ01000048	Terminal	
AT2	K4ZZ01000048	Terminal	
AT3	K4ZZ01000048	Terminal	
HP1	K4ZZ01000043	Terminal	
1	YEFA031817A	Upper Cover	
2	YEFC028196	Rear Cover, Escutcheon	
3	YEFS02302	Pad, Rear Cover	
4	YGFX9991689A	Lever, Back Cover	
5	YEFX0053018	Spring	
6	YEFS011113	Pad	
7	YEFX0052175	Spring	
8	YGFE134716	Button, Back Cover	
9	YEFX0012300	Transparent Plate	
10	YEFV021921	Optical Shade	
11	YEFX0216055A	Bracket, LCD901	
12	YEFA131847	Back Cover, Detachable	
13	YEP0PT9408Z9	Display PCB w/Component	RTL
14	YEFC028203	Escutcheon Ass´y, Detachable	
15	YEFE07522	Knob, VOLUME/SEL	
16	YEFX0052572	Moving Plate	

17	YEFE137433	Button, BAND/APM, SRC/POWER	
18	YEFE137955	Button, Preset	
19	YEFE137957	Button, PTY/MONO/LOC, AF/REG	
20	YEFE137956	Button, TUNE	
21	YEFE137434	Button, Eject/DISP/CT	
22	YEFE137431	Button, Releas	
23	YEFX0053019	Spring	
24	YEFX0012301	Transparent Plate	
25	YEFJ012528	Shad	
26	YEFJ012412	Plate, Detachable	
27	YEFJ012192	Sensor Panel	
29	YEFR04187	Cap	
30	YEFX0216054A	Bracket, Deck	
31	YEFM031399	Laser Seal	
32	YEFM031400	Laser Seal	
33	YEFA07630	Front Plate	
34	YEP0PT6983Z9	Main, Connector PCB w/Component	RTL
35	YEFX0214168	Bracket, Q711	
36	YEFX0213945B	Bracket, IC271	
37	YEFF011092A	Heat Sink	
38	YEFX0216132	Bracket (L)	
39	YEFX0216060	Bracket, CN301	
40	YEFA08610AK	Rear Plate	
41	YEFA09746B	Side Plate (R)	
42	YEFX0216133	Bracket (R)	
43	YEFV012351	Insulator, Bottom Cover (L)	
44	YEFV012352	Insulator, Bottom Cover (R)	
45	YEFA05886	Bottom Cover	
46	YEFX0214168	Bracket, IC705	
47	YEFX0216301	Bracket, IC701	
48	YEFX007380	Code Clamper	
49	YEP0FX5346	Removable Face Plate Unit	RTL
61	XTN2+8GFZ	Tapping Screw 2*8	
62	XTN2+4GFX	Tapping Screw 2*4	
63	YEJS06093	Binding Screw	
64	YEJS06306	Binding Screw	
65	YEJT03009	Tapping Screw	

66	YEJT03327	Tapping Screw	
67	YEJT03156	Tapping Screw	
68	XTB26+5FFZ	Tapping Screw 2.6*5	
69	XTB3+6FFX	Tapping Screw 3*6	

TOP PREVIOUS NEXT

13 EXPLODED VIEW (Unit) [CQ-C1400N]

14 REPLACEMENT PARTS LIST [CQ-C1300AN/C1300GN]

TOP PREVIOUS NEXT

Notes :

1. Be sure to make your orders of replacement parts according to this list.

2. Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer´s specified parts.

3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.

4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependenton the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

    - Order intake period is basically six months after the first shipment.

5. "A" or "B" marks in remarks column are indicated as follows :

    - A : CQ-C1300AN
    - B : CQ-C1300GN

Ref. No.	Part No.	Part Name & Description	Remarks
[E6983] Main Block			
IC´s AND TRANSISTORs			
IC201	C1BB00000543	IC	
IC271	C1EA00000036	IC	
IC401	C1BB00000644	IC	
IC601	C2CBJG000376	IC	
IC620	YEAMT7ST08UL	IC	
IC701	C0DAZHH00007	IC	
IC702	MN1382QTX	IC	

IC705	C0CAABG00012	IC	
IC901	YEAMDA7479D	IC	
PA51	C5BA00000110	Electronic Tuner	
Q50	YEANFP1F3PT1	Transistor	
Q51	B1GBCFNN0004	Transistor	
Q52	B1GDCFNN0002	Transistor	
Q53	B1ABCF000044	Transistor	
Q60	B1AAEC000002	Transistor	
Q253	YEANC323TUTX	Transistor	
Q255	YEANC323TUTX	Transistor	
Q353	YEANC323TUTX	Transistor	
Q355	YEANC323TUTX	Transistor	
Q401	YEAN2SK536TB	Transistor	
Q620	YEANC114YKX	Transistor	
Q660	B1GDCFJJ0002	Transistor	
Q661	B1GDCFJJ0002	Transistor	
Q702	B1BBAC000007	Transistor	
Q709	B1GDCFNN0002	Transistor	
Q710	B1GBCFCJ0005	Transistor	
Q711	YEAND1762EF	Transistor	
DIODEs			
D270	YEADDSM1D2T7	Diode	
D271	YEADDSM1D2T7	Diode	
D272	YEADDSM1D2T7	Diode	
D273	YEADDSM1D2T7	Diode	
D370	YEADDSM1D2T7	Diode	
D371	YEADDSM1D2T7	Diode	
D372	YEADDSM1D2T7	Diode	
D373	YEADDSM1D2T7	Diode	
D602	B0ADCJ000020	Diode	
D603	MA152WATX	Diode	
D608	MA721TX	Diode	
D652	MA8056LMHTX	Diode	
D653	MA8056LMHTX	Diode	
D654	MA8056LMHTX	Diode	
D701	YEADDSA3A2B	Diode	
D702	MA736TX	Diode	

D703	B0AACK000004	Diode	
D704	YEADRD56JS2	Diode	
D709	B0BA6R700008	Diode	
D716	B0AACK000004	Diode	
D718	MA723TA	Diode	
D719	YEADRD82JST1	Diode	
D720	YEADDSM1D2T7	Diode	
D721	B0AACK000004	Diode	
CAPACITORs			
C51	F1J1H103A513	Ceramic, 0.01•F 50WV	
C52	F1J1H103A513	Ceramic, 0.01•F 50WV	
C53	ECEA1AKS221I	Electrolytic, 220•F 10WV	
C54	YECUS1H183KX	Ceramic, 0.018•F 50WV	
C55	YECUS1H183KX	Ceramic, 0.018•F 50WV	
C56	YECUS1H470JC	Ceramic, 47PF 50WV	
C57	F1J1H1020024	Ceramic, 1000PF 50WV	
C58	F1J1H471A672	Ceramic, 470PF 50WV	
C59	ECEA1AKS330I	Electrolytic, 33•F 10WV	
C203	F1J1C1050013	Ceramic, 1•F 16WV	
C205	F2A1H1R0A154	Electrolytic, 1•F 50WV	
C206	YECUS1C104KX	Ceramic, 0.1•F 16WV	
C207	F1J1A2250004	Ceramic, 2.2•F 10WV	
C208	F2A1H2R2A154	Electrolytic, 2.2•F 50WV	
C210	F2A1C100A150	Electrolytic, 10•F 16WV	
C211	YECUS1C104KX	Ceramic, 0.1•F 16WV	
C212	ECEA1AKS221I	Electrolytic, 220•F 10WV	
C251	F2A1E4R70028	Electrolytic, 4.7•F 25WV	
C252	F2A1E4R70028	Electrolytic, 4.7•F 25WV	
C261	F1J1E4740001	Ceramic, 0.47•F 25WV	
C271	F1J1E4740001	Ceramic, 0.47•F 25WV	
C272	F2A1C220A150	Electrolytic, 22•F 16WV	
C273	F2A1H1R0A154	Electrolytic, 1•F 50WV	
C274	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
C275	F2A1C470A150	Electrolytic, 47•F 16WV	
C276	F1J1H122A675	Ceramic, 1200PF 50WV	
C277	F1J1H122A675	Ceramic, 1200PF 50WV	
C278	F1J1H122A675	Ceramic, 1200PF 50WV	

C279	F1J1H122A675	Ceramic, 1200PF 50WV	
C280	F2A1H2R2A154	Electrolytic, 2.2•F 50WV	
C281	ECA1CDT332Y	Electrolytic, 3300•F 16WV	
C282	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
C303	F1J1C1050013	Ceramic, 1•F 16WV	
C305	F2A1H1R0A154	Electrolytic, 1•F 50WV	
C308	F2A1H2R2A154	Electrolytic, 2.2•F 50WV	
C351	F2A1E4R70028	Electrolytic, 4.7•F 25WV	
C352	F2A1E4R70028	Electrolytic, 4.7•F 25WV	
C361	F1J1E4740001	Ceramic, 0.47•F 25WV	
C371	F1J1E4740001	Ceramic, 0.47•F 25WV	
C401	F1J1H120A025	Ceramic, 12PF 50WV	
C402	F1J1H120A025	Ceramic, 12PF 50WV	
C403	F2A0J101A164	Electrolytic, 100•F 6.3WV	
C404	F1J1H103A513	Ceramic, 0.01•F 50WV	
C405	F1J1H101A672	Ceramic, 100PF 50WV	
C406	YECUS1H153KX	Ceramic, 0.015•F 50WV	
C407	ECQV1H104B46	Plastic Film, 0.1•F 50WV	
C408	F1J1H103A513	Ceramic, 0.01•F 50WV	
C409	ECEA1AKS221I	Electrolytic, 220•F 10WV	
C410	ECEA1AKS221I	Electrolytic, 220•F 10WV	
C411	ECEA1AKS221I	Electrolytic, 220•F 10WV	
C600	YECUS1C104KX	Ceramic, 0.1•F 16WV	
C601	F1J1H103A513	Ceramic, 0.01•F 50WV	
C602	F1J1H103A513	Ceramic, 0.01•F 50WV	
C603	YECUS1H220JC	Ceramic, 22PF 50WV	
C604	F1J1H200A025	Ceramic, 20PF 50WV	
C605	F1J1H120A025	Ceramic, 12PF 50WV	
C606	F1J1H120A025	Ceramic, 12PF 50WV	
C607	YECUS1C104KX	Ceramic, 0.1•F 16WV	
C608	F1J1H103A513	Ceramic, 0.01•F 50WV	
C609	F2A0J331A164	Electrolytic, 330•F 6.3WV	
C610	EECS0HD473H	Electrolytic, 0.047•F 5.5WV	
C612	F1J1H103A513	Ceramic, 0.01•F 50WV	
C613	F1J1H103A513	Ceramic, 0.01•F 50WV	
C614	F1J1H103A513	Ceramic, 0.01•F 50WV	
C636	YECUV2A103KX	Ceramic, 0.01•F 100WV	
C655	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
C656	YECUS1E104ZF	Ceramic, 0.1•F 25WV	

C660	F2A1H1R0A154	Electrolytic, 1•F 50WV	
C661	F1J1H103A513	Ceramic, 0.01•F 50WV	
C670	F1J1H103A513	Ceramic, 0.01•F 50WV	
C700	ECA1CDT102BQ	Electrolytic, 1000•F 16WV	
C701	F2A1C101A150	Electrolytic, 100•F 16WV	
C702	F2A0J470A164	Electrolytic, 47•F 6.3WV	
C708	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
C709	F1J1H103A513	Ceramic, 0.01•F 50WV	
C717	YECUS1C224KX	Ceramic, 0.22•F 16WV	
C719	YECUS1C224KX	Ceramic, 0.22•F 16WV	
C720	EEAFC1A820H	Electrolytic, 82•F 10WV	
C721	YECUS1C104KX	Ceramic, 0.1•F 16WV	
C722	YECUS1C104KX	Ceramic, 0.1•F 16WV	
C723	YECUS1C104KX	Ceramic, 0.1•F 16WV	
C724	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
C725	EEAFC1A820H	Electrolytic, 82•F 10WV	
C726	YECUS1C104KX	Ceramic, 0.1•F 16WV	
C727	YECUS1C104KX	Ceramic, 0.1•F 16WV	
C728	YECUS1C104KX	Ceramic, 0.1•F 16WV	
C732	F2A1C470A150	Electrolytic, 47•F 16WV	
C901	YECUS1C104KX	Ceramic, 0.1•F 16WV	
C902	YECUS1H100CC	Ceramic, 10PF 50WV	
C903	YECUS1H100CC	Ceramic, 10PF 50WV	
C904	F1J1H103A513	Ceramic, 0.01•F 50WV	
C905	F2A0J470A164	Electrolytic, 47•F 6.3WV	
C906	F1J1H271A672	Ceramic, 270PF 50WV	
C907	F2A1C100A150	Electrolytic, 10•F 16WV	
J254	YECUV2A103KX	Ceramic, 0.01•F 100WV	
RESISTORs			
J107	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J108	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J111	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J112	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J113	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J114	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J118	ERJ6GEY0R00V	Chip, 0Ω 1/10W	

J120	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J130	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J132	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J133	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J200	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J201	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J202	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J203	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J204	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J205	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J207	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J208	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J209	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J218	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J219	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J220	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J223	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J225	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J226	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J227	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J229	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J230	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J231	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J232	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J237	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J238	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J239	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J240	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J241	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J247	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J248	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J250	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J251	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J252	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J253	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J255	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J256	ERJ8GX0R00V	Chip, 0Ω 1/8W	

J257	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J258	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J259	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J260	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J261	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J262	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J263	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J264	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J265	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J266	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J267	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J271	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J272	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J274	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J275	ERJ8GX0R00V	Chip, 0Ω 1/8W	
R50	ERJ6GEYJ5R6V	Chip, 5.6Ω 1/10W	
R51	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R52	ERJ8GEYJ101V	Chip, 100Ω 1/8W	
R53	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R55	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R56	ERJ6GEYJ334	Chip, 330kΩ 1/10W	
R57	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R58	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R60	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R200	ERJ6GEYJ363V	Chip, 36kΩ 1/10W	
R203	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R204	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R205	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R251	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R252	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R253	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R255	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R256	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R300	ERJ6GEYJ363V	Chip, 36kΩ 1/10W	
R303	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R304	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R305	ERJ6GEYJ473	Chip, 47kΩ 1/10W	

R351	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R352	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R353	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R355	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R356	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R401	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R402	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R403	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R404	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R405	ERJ6GEYJ182	Chip, 1.8kΩ 1/10W	
R406	ERJ8GEYJ561V	Chip, 560Ω 1/8W	
R411	ERJ8GEYJ100V	Chip, 10Ω 1/8W	
R412	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R600	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R607	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R608	ERJ6GEYJ153	Chip, 15kΩ 1/10W	
R611	ERJ6GEYJ122	Chip, 1.2kΩ 1/10W	
R612	ERD25TJ102T	Carbon, 1kΩ 1/4W	
R613	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R614	ERD25TJ102T	Carbon, 1kΩ 1/4W	
R615	ERD25TJ102T	Carbon, 1kΩ 1/4W	
R616	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R617	ERJ8GEYJ473V	Chip, 47kΩ 1/8W	
R618	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R619	ERDS2FJ100T	Carbon, 10Ω 1/4W	
R620	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R623	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R624	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R625	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R626	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R627	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R628	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R629	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R631	ERJ6GEYJ184	Chip, 180kΩ 1/10W	
R633	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R634	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R635	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	

R636	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R637	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R640	ERJ6GEYJ822	Chip, 8.2kΩ 1/10W	
R641	ERJ6GEYJ333	Chip, 33kΩ 1/10W	
R645	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R646	ERJ6GEYJ512V	Chip, 5.1kΩ 1/10W	
R647	ERJ6GEYJ512V	Chip, 5.1kΩ 1/10W	
R648	ERJ6GEYJ512V	Chip, 5.1kΩ 1/10W	
R649	ERJ6GEYJ512V	Chip, 5.1kΩ 1/10W	
R650	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R660	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R661	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R662	ERJ6GEYJ682	Chip, 6.8kΩ 1/10W	
R663	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R665	ERD25TJ272T	Carbon, 2.7kΩ 1/4W	
R666	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R667	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R668	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R670	ERJ6GEYJ154	Chip, 150kΩ 1/10W	
R671	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R672	ERD25TJ822T	Carbon, 8.2kΩ 1/4W	
R680	ERJ6GEYJ824	Chip, 820kΩ 1/10W	
R681	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R682	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R683	ERJ8GEYJ473V	Chip, 47kΩ 1/8W	
R684	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R685	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R686	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R687	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R688	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R689	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R702	ERJ8GEYJ4R7V	Chip, 4.7Ω 1/8W	
R703	ERJ6GEYJ682	Chip, 6.8kΩ 1/10W	
R704	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R705	ERJ6GEYJ822	Chip, 8.2kΩ 1/10W	
R709	ERD25TJ123T	Carbon, 12kΩ 1/4W	
R710	ERJ6GEYJ113V	Chip, 11kΩ 1/10W	

R712	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R713	ERJ6GEYJ124	Chip, 120kΩ 1/10W	
R714	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R715	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R716	ERDS2FJ1R0T	Carbon, 1Ω 1/4W	
R717	ERDS2FJ3R3T	Carbon, 3.3Ω 1/4W	
R718	ERDS2TJ271T	Carbon, 270Ω 1/4W	
R719	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R721	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R901	ERJ6GEYJ225V	Chip, 2.2MΩ 1/10W	
R902	ERJ8GEYJ103V	Chip, 10kΩ 1/8W	
R903	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
CONNECTORs			
CN301	K2HA102B0061	Jack	
CN601	YEAE012475	Connector 12P	
CN620	K1KA18A00074	Connector 18P	
CN701	K1FA116B0028	Connector 16P	
COILs			
L50	RLQZP150KT-Y	RF Coil	
L51	G0CR56KA0029	RF Coil	
L401	YELT02C101KT	Coil	
L701	YETQ026F143	Coil	
L702	YELT02C330KT	Coil	
L901	YELT02C330KT	Coil	
CRYSTALs			
XL401	H0D720400006	Crystal Oscillator	
XL601	H0D125500006	Crystal Oscillator	
XL602	H0A327200080	Crystal Oscillator	
XL901	H0D433400003	Crystal Oscillator	
LAMPs			
Z50	YEAL02010T	Lamp	

VARISTORs			
Z715	ERZV07D470	Varistor	
[E9408] Display Block (CQ-C1300AN)			
IC´s AND TRANSISTORs			
IC901	YEAMLC75854T	IC	
IC902	PNA4602M01MC	IC	
Q901	B1GDCFJJ0002	Transistor	
DIODEs			
D901	MA8056LMHTX	Diode	
D902	MA8056LMHTX	Diode	
D903	MA8056LMHTX	Diode	
D904	MA8056LMHTX	Diode	
D905	MA8056LMHTX	Diode	
D909	B3ACB0000100	Diode	
D913	B3ADB0000043	Diode	
D914	B3ADB0000043	Diode	
D915	B3ADB0000043	Diode	
D916	B3ADB0000043	Diode	
D917	B3ADB0000043	Diode	
D918	B3ADB0000043	Diode	
D919	B3ADB0000043	Diode	
D920	B3ADB0000043	Diode	
D921	B3ADB0000043	Diode	
D922	B3ADB0000043	Diode	
D923	B3ADB0000043	Diode	
D924	B3ADB0000043	Diode	
D925	B3ADB0000043	Diode	
D926	B3ADB0000043	Diode	
D927	B3ADB0000043	Diode	
D928	B3ADB0000043	Diode	
D930	B3AAB0000143	Diode	

CAPACITORs			
C901	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
C902	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
C903	YECUS1H681JC	Ceramic, 680PF 50WV	
C904	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
C905	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
C906	F1J1H1020024	Ceramic, 1000PF 50WV	
C907	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
RESISTORs			
R901	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R902	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R903	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R904	ERJ6GEYJ1R0V	Chip, 1Ω 1/10W	
R905	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R906	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R907	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R908	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R909	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R910	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R911	ERJ6GEYJ681	Chip, 680Ω 1/10W	
R921	ERJ8GEYJ221V	Chip, 220Ω 1/8W	
R923	ERJ6GEYJ560	Chip, 56Ω 1/10W	
R924	ERJ6GEYJ560	Chip, 56Ω 1/10W	
R925	ERJ6GEYJ560	Chip, 56Ω 1/10W	
R927	ERJ6GEYJ151	Chip, 150Ω 1/10W	
R928	ERJ6GEYJ560	Chip, 56Ω 1/10W	
R929	ERJ6GEYJ151	Chip, 150Ω 1/10W	
CONNECTOR			
CJ601	YEAE012476	Connector 12P	
SWITCHes			
SW901	K9AA024A0007	Switch	

SW902	K0H1BA000445	Switch	
SW903	K0H1BA000445	Switch	
SW904	K0H1BA000445	Switch	
SW905	K0H1BA000445	Switch	
SW906	K0H1BA000445	Switch	
SW907	K0H1BA000445	Switch	
SW908	K0H1BA000445	Switch	
SW909	K0H1BA000445	Switch	
SW910	K0H1BA000445	Switch	
SW911	K0H1BA000445	Switch	
SW912	K0H1BA000445	Switch	
SW913	K0H1BA000445	Switch	
SW914	K0H1BA000445	Switch	
SW915	K0H1BA000445	Switch	
SW916	K0H1BA000445	Switch	
SW917	K0H1BA000445	Switch	
LCD			
LCD901	L5ACBJB00005	LCD	
[E9408] Display Block (CQ-C1300GN)			
IC´s AND TRANSISTORs			
IC901	YEAMLC75854T	IC	
IC902	PNA4602M01MC	IC	
Q901	B1GDCFJJ0002	Transistor	
DIODEs			
D901	MA8056LMHTX	Diode	
D902	MA8056LMHTX	Diode	
D903	MA8056LMHTX	Diode	
D904	MA8056LMHTX	Diode	
D905	MA8056LMHTX	Diode	
D909	B3ABB0000162	Diode	
D913	B3ABB0000161	Diode	
D914	B3ABB0000161	Diode	
D915	B3ABB0000161	Diode	

D916	B3ABB0000161	Diode	
D917	B3ABB0000161	Diode	
D918	B3ABB0000161	Diode	
D919	B3ABB0000161	Diode	
D920	B3ABB0000160	Diode	
D921	B3ABB0000161	Diode	
D922	B3ABB0000161	Diode	
D923	B3ABB0000160	Diode	
D924	B3ABB0000161	Diode	
D925	B3ABB0000160	Diode	
D926	B3ABB0000161	Diode	
D927	B3ABB0000161	Diode	
D928	B3ABB0000160	Diode	
D930	B3AAB0000143	Diode	
CAPACITORs			
C901	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
C902	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
C903	YECUS1H681JC	Ceramic, 680PF 50WV	
C904	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
C905	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
C906	F1J1H1020024	Ceramic, 1000PF 50WV	
C907	YECUS1E104ZF	Ceramic, 0.1•F 25WV	
RESISTORs			
R901	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R902	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R903	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R904	ERJ6GEYJ1R0V	Chip, 1Ω 1/10W	
R905	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R906	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R907	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R908	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R909	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R910	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R911	ERJ6GEYJ681	Chip, 680Ω 1/10W	

R920	ERJ8GEYJ391V	Chip, 390Ω 1/8W	
R921	ERJ8GEYJ751V	Chip, 750Ω 1/8W	
R923	ERJ6GEYJ680	Chip, 68Ω 1/10W	
R924	ERJ6GEYJ680	Chip, 68Ω 1/10W	
R925	ERJ6GEYJ680	Chip, 68Ω 1/10W	
R927	ERJ6GEYJ151	Chip, 150Ω 1/10W	
R928	ERJ6GEYJ680	Chip, 68Ω 1/10W	
R929	ERJ6GEYJ151	Chip, 150Ω 1/10W	
CONNECTOR			
CJ601	YEAE012476	Connector 12P	
SWITCHes			
SW901	K9AA024A0007	Switch	
SW902	K0H1BA000445	Switch	
SW903	K0H1BA000445	Switch	
SW904	K0H1BA000445	Switch	
SW905	K0H1BA000445	Switch	
SW906	K0H1BA000445	Switch	
SW907	K0H1BA000445	Switch	
SW908	K0H1BA000445	Switch	
SW909	K0H1BA000445	Switch	
SW910	K0H1BA000445	Switch	
SW911	K0H1BA000445	Switch	
SW912	K0H1BA000445	Switch	
SW913	K0H1BA000445	Switch	
SW914	K0H1BA000445	Switch	
SW915	K0H1BA000445	Switch	
SW916	K0H1BA000445	Switch	
SW917	K0H1BA000445	Switch	
LCD			
LCD901	L5ACBJB00005	LCD	

Accessories			
PRINTING			
	YEFM284135	Operating Instructions	
	YEFM293250	Installation Instructions	
	YEFM293251	Installation Instructions	
INSTALLATION PARTs			
	YEFA131646	Removable Face Plate Case	
	YEFX0215873	Mounting Collar	
	YEFC05609	Trim Plate	
	YEAJ02874	Power Connector	
	YEP0FZ3264	Accessory Kit (ISO Antenna Adapter, Lock Cancel Plate, Mounting Bolt)	
Mechanical Parts			
MISCELLANEOUS			
ANT51	YGAA10082	Antenna Receptacle	
AT1	K4ZZ01000048	Terminal	
AT2	K4ZZ01000048	Terminal	
AT3	K4ZZ01000048	Terminal	
1	YEFA031817A	Upper Cover	
2	YEFC028196	Rear Cover, Escutcheon	
3	YEFS02302	Pad, Rear Cover	
4	YGFX9991689A	Lever, Back Cover	
5	YEFX0053018	Spring	
6	YEFS011113	Pad	
7	YEFX0052175	Spring	
8	YGFE134716	Button, Back Cover	
9	YEFX0012300	Transparent Plate	
10	YEFV021921	Optical Shade	
11	YEFX0216055A	Bracket, LCD901	
12	YEFA131847	Back Cover, Detachable	
13	YEP0PT9408V9	Display PCB w/Component	A RTL
13	YEP0PT9408U9	Display PCB w/Component	B RTL
14	YEFC028203	Escutcheon Ass´y, Detachable	
15	YEFE07522	Knob, VOLUME/SEL	
16	YEFX0052572	Moving Plate	
17	YEFE137433	Button, BAND/APM, SRC/POWER	

18	YEFE137955	Button, Preset	
19	YEFE137957	Button, PTY/MONO/LOC, AF/REG	
20	YEFE137956	Button, TUNE	
21	YEFE137434	Button, Eject/DISP/CT	
22	YEFE137431	Button, Releas	
23	YEFX0053019	Spring	
24	YEFX0012301	Transparent Plate	
25	YEFJ012528	Shad	
26	YEFJ012414	Plate, Detachable	A RTL
26	YEFJ012413	Plate, Detachable	B RTL
27	YEFJ012192	Sensor Panel	
30	YEFX0216054A	Bracket, Deck	
31	YEFM031399	Laser Seal	
32	YEFM031400	Laser Seal	
33	YEFA07630	Front Plate	
34	YEP0PT6983Y9	Main PCB w/Component	A RTL
34	YEP0PT6983S9	Main PCB w/Component	B RTL
35	YEFX0214168	Bracket, Q711	
36	YEFX0213945B	Bracket, IC271	
37	YEFF011092A	Heat Sink	
38	YEFX0216132	Bracket (L)	
39	YEFX0216059	Bracket, CN301	
40	YEFA08606AK	Rear Plate	
41	YEFA09746B	Side Plate (R)	
42	YEFX0216133	Bracket (R)	
43	YEFV012351	Insulator, Bottom Cover (L)	
44	YEFV012352	Insulator, Bottom Cover (R)	
45	YEFA05886	Bottom Cover	
46	YEFX0214168	Bracket, IC705	
47	YEFX0216301	Bracket, IC701	
49	YEP0FX5348	Removable Face Plate Unit	A RTL
49	YEP0FX5347	Removable Face Plate Unit	B RTL
61	XTN2+8GFZ	Tapping Screw 2*8	
62	XTN2+4GFX	Tapping Screw 2*4	
63	YEJS06093	Binding Screw	
64	YEJS06306	Binding Screw	
65	YEJT03009	Tapping Screw	

66	YEJT03327	Tapping Screw	
67	YEJT03156	Tapping Screw	
68	XTB26+5FFZ	Tapping Screw 2.6*5	
69	XTB3+6FFX	Tapping Screw 3*6	

TOP PREVIOUS NEXT

15 EXPLODED VIEW (Unit) [CQ-C1300AN/C1300GN]

16 CD PLAYER PARTS LIST

TOP PREVIOUS NEXT

Notes :

1. Be sure to make your orders of replacement parts according to this list.

2. Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer´s specified parts.

3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.

4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependenton the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

    - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[3032-14-05] CD Servo Block			
IC´s and TRANSISTORs			
IC201	MN6627482WB	IC	
IC202	YESAM163	IC	
IC203	YESAM166	IC	
IC204	M5218AFP	IC	
IC401	YESAM176	IC	
IC402	YESAM224	IC	
IC406	YESAM171	IC	
IC409	YESAM167	IC	
IC411	YESAM178	IC	
Q101	B1BDBC000001	Transistor	
Q201	B1BDBC000001	Transistor	
Q203	YESAN060	Transistor	

CAPACITORs			
C101	YESCC203	Ceramic, 220pF 50WV	
C102	YESCC187	Ceramic, 0.1•F 25WV	
C103	YESCC187	Ceramic, 0.1•F 25WV	
C104	YESCC206	Ceramic, 0.047•F 25WV	
C105	F1H1H2220004	Ceramic, 0.0022•F 50WV	
C106	YESCC207	Ceramic, 0.001•F 50WV	
C107	YESCC206	Ceramic, 0.047•F 25WV	
C108	YESCC204	Ceramic, 330pF 50WV	
C109	YESCC187	Ceramic, 0.1•F 25WV	
C110	YESCC187	Ceramic, 0.1•F 25WV	
C111	YESCC299	Ceramic, 0.022•F 50WV	
C112	YESCC183	Ceramic, 0.0022•F 50WV	
C113	YESCC208	Ceramic, 0.0015•F 50WV	
C114	YESCC207	Ceramic, 0.001•F 50WV	
C115	YESCC187	Ceramic, 0.1•F 25WV	
C116	YESCC187	Ceramic, 0.1•F 25WV	
C121	YESCC187	Ceramic, 0.1•F 25WV	
C122	YESCC207	Ceramic, 0.001•F 50WV	
C123	YESCC299	Ceramic, 0.022•F 50WV	
C124	YESCC187	Ceramic, 0.1•F 25WV	
C125	YESCC207	Ceramic, 0.001•F 50WV	
C126	YESCC210	Ceramic, 0.1•F 16WV	
C127	YESCC207	Ceramic, 0.001•F 50WV	
C128	YESCC205	Ceramic, 0.22•F 10WV	
C129	YESCC187	Ceramic, 0.1•F 25WV	
C130	YESCC207	Ceramic, 0.001•F 50WV	
C131	YESCC187	Ceramic, 0.1•F 25WV	
C132	YESCC187	Ceramic, 0.1•F 25WV	
C135	YESCC187	Ceramic, 0.1•F 25WV	
C136	YESCC187	Ceramic, 0.1•F 25WV	
C137	YESCC210	Ceramic, 0.1•F 16WV	
C138	YESCC210	Ceramic, 0.1•F 16WV	
C139	YESCC187	Ceramic, 0.1•F 25WV	
C140	YESCC187	Ceramic, 0.1•F 25WV	
C141	YESCC187	Ceramic, 0.1•F 25WV	
C151	YESCC188	Electrolytic, 10•F 16WV	
C152	YESCC213	Electrolytic, 22•F 6.3WV	
C153	YESCC213	Electrolytic, 22•F 6.3WV	

C154	YESCC215	Electrolytic, 220•F 10WV	
C203	YESCC209	Ceramic, 0.0033•F 50WV	
C204	YESCC209	Ceramic, 0.0033•F 50WV	
C205	YESCC187	Ceramic, 0.1•F 25WV	
C207	YESCC187	Ceramic, 0.1•F 25WV	
C208	YESCC202	Ceramic, 22pF 50WV	
C251	YESCC215	Electrolytic, 220•F 10WV	
C252	YESCC214	Electrolytic, 47•F 6.3WV	
C253	YESCC215	Electrolytic, 220•F 10WV	
C301	YESCC207	Ceramic, 0.001•F 50WV	
C302	YESCC207	Ceramic, 0.001•F 50WV	
C311	YESCC207	Ceramic, 0.001•F 50WV	
C312	YESCC207	Ceramic, 0.001•F 50WV	
C321	YESCC187	Ceramic, 0.1•F 25WV	
C356	YESCC213	Electrolytic, 22•F 6.3WV	
C357	YESCC214	Electrolytic, 47•F 6.3WV	
C358	YESCC213	Electrolytic, 22•F 6.3WV	
C359	YESCC216	Electrolytic, 100•F 16WV	
C360	YESCC188	Electrolytic, 10•F 16WV	
C401	YESCC187	Ceramic, 0.1•F 25WV	
C402	YESCC187	Ceramic, 0.1•F 25WV	
C403	YESCC187	Ceramic, 0.1•F 25WV	
C404	YESCC187	Ceramic, 0.1•F 25WV	
C405	YESCC187	Ceramic, 0.1•F 25WV	
C406	YESCC187	Ceramic, 0.1•F 25WV	
C407	YESCC187	Ceramic, 0.1•F 25WV	
C408	YESCC187	Ceramic, 0.1•F 25WV	
C409	YESCC187	Ceramic, 0.1•F 25WV	
C410	YESCC187	Ceramic, 0.1•F 25WV	
C411	YESCC187	Ceramic, 0.1•F 25WV	
C412	YESCC187	Ceramic, 0.1•F 25WV	
C413	YESCC187	Ceramic, 0.1•F 25WV	
C414	YESCC187	Ceramic, 0.1•F 25WV	
C418	YESCC187	Ceramic, 0.1•F 25WV	
C426	YESCC187	Ceramic, 0.1•F 25WV	
C433	YESCC210	Ceramic, 0.1•F 16WV	
C434	YESCC210	Ceramic, 0.1•F 16WV	
C435	YESCC187	Ceramic, 0.1•F 25WV	
C436	YESCC187	Ceramic, 0.1•F 25WV	

C437	YESCC210	Ceramic, 0.1•F 16WV	
C452	YESCC188	Electrolytic, 10•F 16WV	
C463	YESCC214	Electrolytic, 47•F 6.3WV	
C464	YESCC214	Electrolytic, 47•F 6.3WV	
RESISTORs			
L302	ERJ6GEY0R00V	Chip, 0Ω 1/8W	
L303	ERJ6GEY0R00V	Chip, 0Ω 1/8W	
L304	ERJ6GEY0R00V	Chip, 0Ω 1/8W	
L305	ERJ6GEY0R00V	Chip, 0Ω 1/8W	
JP101	ERJ8GEY0R00V	Chip, 0Ω 1/4W	
R101	ERJ3GEYJ4R7V	Chip, 4.7Ω 1/10W	
R103	YESRG067	Chip, 1.5kΩ 1/10W	
R104	YESRG077	Chip, 470Ω 1/10W	
R105	YESRG074	Chip, 2.7kΩ 1/10W	
R106	YESRG025	Chip, 10kΩ 1/10W	
R107	YESRG074	Chip, 2.7kΩ 1/10W	
R108	YESRG076	Chip, 390kΩ 1/10W	
R109	YESRG069	Chip, 150kΩ 1/10W	
R110	YESRG025	Chip, 10kΩ 1/10W	
R111	YESRG070	Chip, 18kΩ 1/10W	
R113	YESRG066	Chip, 120kΩ 1/10W	
R114	ERJ3GEY0R00V	Chip, 0Ω 1/10W	
R115	YESRG022	Chip, 2.2kΩ 1/10W	
R116	YESRG022	Chip, 2.2kΩ 1/10W	
R117	ERJ3GEY0R00V	Chip, 0Ω 1/10W	
R118	YESRG068	Chip, 15kΩ 1/10W	
R119	YESRG021	Chip, 1kΩ 1/10W	
R120	ERJ3GEY0R00V	Chip, 0Ω 1/10W	
R121	YESRG072	Chip, 220kΩ 1/10W	
R122	YESRG081	Chip, 56kΩ 1/10W	
R123	YESRG066	Chip, 120kΩ 1/10W	
R125	YESRG077	Chip, 470Ω 1/10W	
R126	YESRG074	Chip, 2.7kΩ 1/10W	
R127	YESRG072	Chip, 220kΩ 1/10W	
R128	YESRG020	Chip, 220Ω 1/10W	

R129	YESRG082	Chip, 6.8kΩ 1/10W	
R130	YESRG065	Chip, 1MΩ 1/10W	
R131	YESRG022	Chip, 2.2kΩ 1/10W	
R133	YESRG022	Chip, 2.2kΩ 1/10W	
R136	YESRG022	Chip, 2.2kΩ 1/10W	
R137	YESRG021	Chip, 1kΩ 1/10W	
R138	YESRG021	Chip, 1kΩ 1/10W	
R139	YESRG021	Chip, 1kΩ 1/10W	
R140	YESRG021	Chip, 1kΩ 1/10W	
R141	YESRG021	Chip, 1kΩ 1/10W	
R142	YESRG021	Chip, 1kΩ 1/10W	
R143	YESRG071	Chip, 2MΩ 1/10W	
R201	YESRG082	Chip, 6.8kΩ 1/10W	
R202	ERJ3GEY0R00V	Chip, 0Ω 1/10W	
R204	YESRG021	Chip, 1kΩ 1/10W	
R205	ERJ3GEY0R00V	Chip, 0Ω 1/10W	
R206	YESRG070	Chip, 18kΩ 1/10W	
R207	YESRG078	Chip, 5.1kΩ 1/10W	
R208	ERJ3GEY0R00V	Chip, 0Ω 1/10W	
R209	YESRG078	Chip, 5.1kΩ 1/10W	
R210	ERJ3GEY0R00V	Chip, 0Ω 1/10W	
R211	YESRG026	Chip, 27kΩ 1/10W	
R212	YESRG028	Chip, 47kΩ 1/10W	
R301	YESRG023	Chip, 3.9kΩ 1/10W	
R302	YESRG023	Chip, 3.9kΩ 1/10W	
R303	YESRG068	Chip, 15kΩ 1/10W	
R304	YESRG025	Chip, 10kΩ 1/10W	
R305	YESRG020	Chip, 220Ω 1/10W	
R311	YESRG023	Chip, 3.9kΩ 1/10W	
R312	YESRG023	Chip, 3.9kΩ 1/10W	
R313	YESRG068	Chip, 15kΩ 1/10W	
R314	YESRG025	Chip, 10kΩ 1/10W	
R315	YESRG020	Chip, 220Ω 1/10W	
R322	YESRG025	Chip, 10kΩ 1/10W	
R323	YESRG025	Chip, 10kΩ 1/10W	
R324	YESRG029	Chip, 100kΩ 1/10W	
R325	YESRG029	Chip, 100kΩ 1/10W	

R326	YESRG064	Chip, 100Ω 1/10W	
R327	YESRG025	Chip, 10kΩ 1/10W	
R328	YESRG025	Chip, 10kΩ 1/10W	
R329	YESRG021	Chip, 1kΩ 1/10W	
R401	YESRG025	Chip, 10kΩ 1/10W	
R402	YESRG025	Chip, 10kΩ 1/10W	
R403	YESRG025	Chip, 10kΩ 1/10W	
R404	YESRG025	Chip, 10kΩ 1/10W	
R408	YESRG024	Chip, 4.7kΩ 1/10W	
R409	YESRG024	Chip, 4.7kΩ 1/10W	
R414	YESRG028	Chip, 47kΩ 1/10W	
R415	YESRG028	Chip, 47kΩ 1/10W	
R416	YESRG028	Chip, 47kΩ 1/10W	
R425	YESRG064	Chip, 100Ω 1/10W	
R429	YESRG020	Chip, 220Ω 1/10W	
R430	YESRG080	Chip, 560Ω 1/10W	
R431	YESRG024	Chip, 4.7kΩ 1/10W	
R432	YESRG025	Chip, 10kΩ 1/10W	
R434	YESRG029	Chip, 100kΩ 1/10W	
R435	YESRG024	Chip, 4.7kΩ 1/10W	
R478	YESRG079	Chip, 56Ω 1/10W	
R480	YESRG079	Chip, 56Ω 1/10W	
R481	YESRG024	Chip, 4.7kΩ 1/10W	
R482	YESRG022	Chip, 2.2kΩ 1/10W	
R483	YESRG022	Chip, 2.2kΩ 1/10W	
CONNECTORs			
CN101	YESAE345	Connector, 18P	
CN102	YESAE350	Connector, 16P	
COILs			
L401	YESLQ014	Coil	
L402	YESLQ014	Coil	
L403	YESLQ014	Coil	
L301	YESLQ011	Coil	
R428	YESLQ025	Inductor	

CRYSTAL			
X401	YESXL018	Crystal	
RESITOR NETWORKs			
RA401	YESXA003	Resistor Network, 56 ohms * 4	
RA402	YESXA003	Resistor Network, 56 ohms * 4	
RA403	YESXA003	Resistor Network, 56 ohms * 4	
RA405	YESXA003	Resistor Network, 56 ohms * 4	
RA406	YESXA003	Resistor Network, 56 ohms * 4	
RA407	YESXA003	Resistor Network, 56 ohms * 4	
RA408	YESXA003	Resistor Network, 56 ohms * 4	
RA409	YESXA003	Resistor Network, 56 ohms * 4	
RA410	YESXA003	Resistor Network, 56 ohms * 4	
RA413	YESXA003	Resistor Network, 56 ohms * 4	
RA412	YESXA002	Resistor Network, 100 ohms * 4	
RA414	YESXA002	Resistor Network, 100 ohms * 4	
MECHANICAL PARTS			
MISCELLANEOUS			
1	YESFX046136	Frame	
2	YESFX046137	Top Cover	
3	YERFS04003	Damper F	
4	YERFS04004	Damper R	
11	YESFX046138	Chassis Rivet Ass´y	
12	YERFX046001	Change Plate Rivet Ass´y	
13	YERFX007001	Clamper Ass´y	
14	YESAK01041	Spindle Motor Ass´y	
15	YERFX046002	Clamper Arm	
16	YERFX005001	Change Gear Spring	
17	YERFX03001	Change Gear 2	
18	YERFX03002	Feed Gear	
19	YERFX03003	Feed Rack	
20	YERFX046003	Changer Lock Lever	
21	YERFW04001	Feed Switch Holder	
22	YERFW04002	Pick-up Shaft Holder	

23	YERFX005002	Clamper Sub Spring	
24	YERFW04003	FD Sub Holder	
25	YESFX046139	Top Plate	
26	YERFX046004	Select Lock Arm	
27	YERFX046006	Slide Hook	
28	YERFW01001	Pick-up Shaft	
29	YERFX005003	Clamper Arm Spring	
30	YERFX005004	Select Lock Arm Spring	
31	YERFX005013	Suspension Spring	
32	YESFX046140	Select Arm R	
33	YERFX03004	Link Plate	
34	YESFX005137	Link Plate Spring	
35	YERFS01001	Cushion F	
36	YERFS01002	Cushion R	
37	YERFX005014	Feed Spring Plate	
38	YERFX046005	Trigger Arm	
43	YERFX046008	Select Plate L	
44	YERFX046009	Select Plate R	
45	YERFX046010	Select Piece R	
46	YERFX046011	Select Piece L	
61	YESSZCDM002	Optical Pick-up Ass´y	
62	YERAS0001	Detection Switch	
71	YESAP304	Servo PCB Ass´y	RTL
72	YERAS0002	Mode Switch	
73	YESAJ07014	Loding Motor Wire	
74	YESAJ07015	Mode Switch Wire	
75	YESAJ07016	Spindle Motor Wire	
77	YERFX999001	Wire Clamper M	
78	YESFX024021	Wire Tube Spindle Motor	
79	YESFX024022	Wire Tube Mode Switch	
81	YERFX03005	Roller Shaft Ass´y	
82	YERFX046012	Loading Gear Plate Rivet Ass´y	
83	YERFX046013	Loading Plate Ass´y	
84	YESFX046173	Lock Arm Rivet Ass´y	
85	YESAK01040	Loading/Feed Motor Ass´y	
86	YERFX03006	Loading Gear 1	
87	YERFX03007	Loading Gear 2	
88	YERFX03008	Loading Gear 3	

89	YERFX03009	Loading Gear 4	
90	YERFX03010	Loading Gear 5	
91	YERFX03011	Loading Gear 6	
92	YERFX03012	Loading Gear 7	
93	YERFW04004	Roller Guide	
94	YERFX005007	Roller Guide Spring	
95	YERFX046015	Disc Stopper Arm	
96	YERFX005008	Disc Stop Arm Spring	
97	YERFX046016	LD Gear Bracket	
98	YESFX046174	L Slide Plate	
99	YERFX005009	Loading Plate Spring	
100	YESFX046150	Loading Roller	
101	YESJS01175	Collar Screw	
111	YERJT01001	Tapping Screw 2*3	
112	YERJT01002	Tapping Screw 2*4	
113	YEJT03117	Tapping Bind Screw 2*4	
114	YERJS01002	Camera Screw 1.7*1.8	
115	YERJS01003	Camera Screw 2*2	
116	YERJS01004	Camera Tapping Screw 1.7*5	
118	YESJS01148	Screw 2*4	
121	YERJW01001	P Washer 3.5*8*0.3	
122	YERJW01002	HL Washer 1.85*5*0.13	
123	YERJW01003	Lumilar Washer 3.1*6*0.1	
124	YEJE01028	E Ring S 1.5	
125	YERJW01005	P Washer 2.1*4*0.13	

TOP PREVIOUS NEXT

17 EXPLODED VIEW (CD Deck)

18 WIRING DIAGRAM

TOP PREVIOUS NEXT

18.1 Display Block

18.2 Main Block (Top View)

18.3 Main Block (Bottom View)

18.4 CD Servo Block (Top View)

18.5 CD Servo Block (Bottom View)

TOP PREVIOUS NEXT

18.1 Display Block

18.2 Main Block (Top View)

18.3 Main Block (Bottom View)

18.4 CD Servo Block (Top View)

18.5 CD Servo Block (Bottom View)

19 SCHEMATIC DIAGRAM-1

19.1 Display Block

19.1 Display Block

20 SCHEMATIC DIAGRAM-2

TOP PREVIOUS NEXT

20.1 Main Block

20.2 CD Servo Block-1

20.3 CD Servo Block-2

TOP PREVIOUS NEXT

20.1 Main Block

20.2 CD Servo Block-1

20.3 CD Servo Block-2

21 SCHEMATIC DIAGRAM for Printing with A4 Size

TOP PREVIOUS NEXT

21.1 Main Block (Left Side)

21.2 Main Block (Right Side)

21.3 CD Servo Block-1 (Left Side)

21.4 CD Servo Block-1 (Right Side)

21.5 CD Servo Block-2 (Left Side)

21.6 CD Servo Block-2 (Right Side)

TOP PREVIOUS NEXT

21.1 Main Block (Left Side)

21.2 Main Block (Right Side)

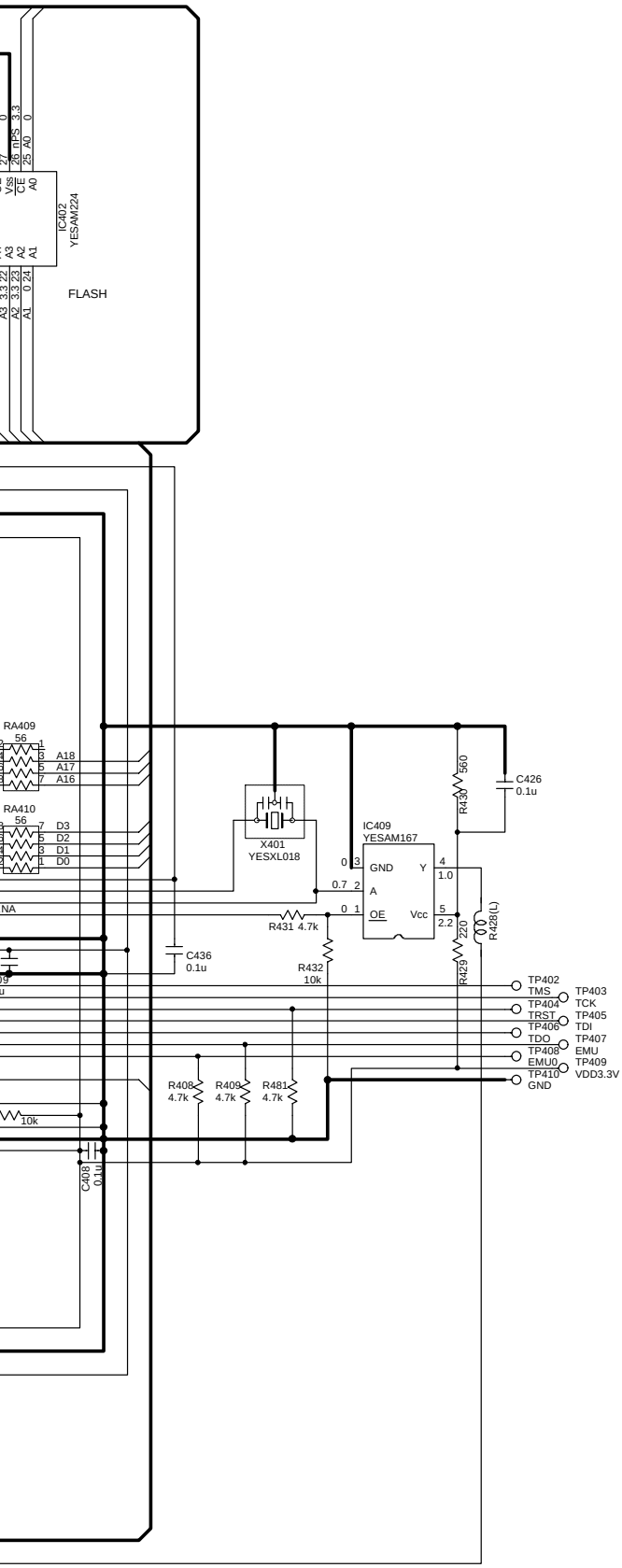
21.3 CD Servo Block-1 (Left Side)

21.4 CD Servo Block-1 (Right Side)

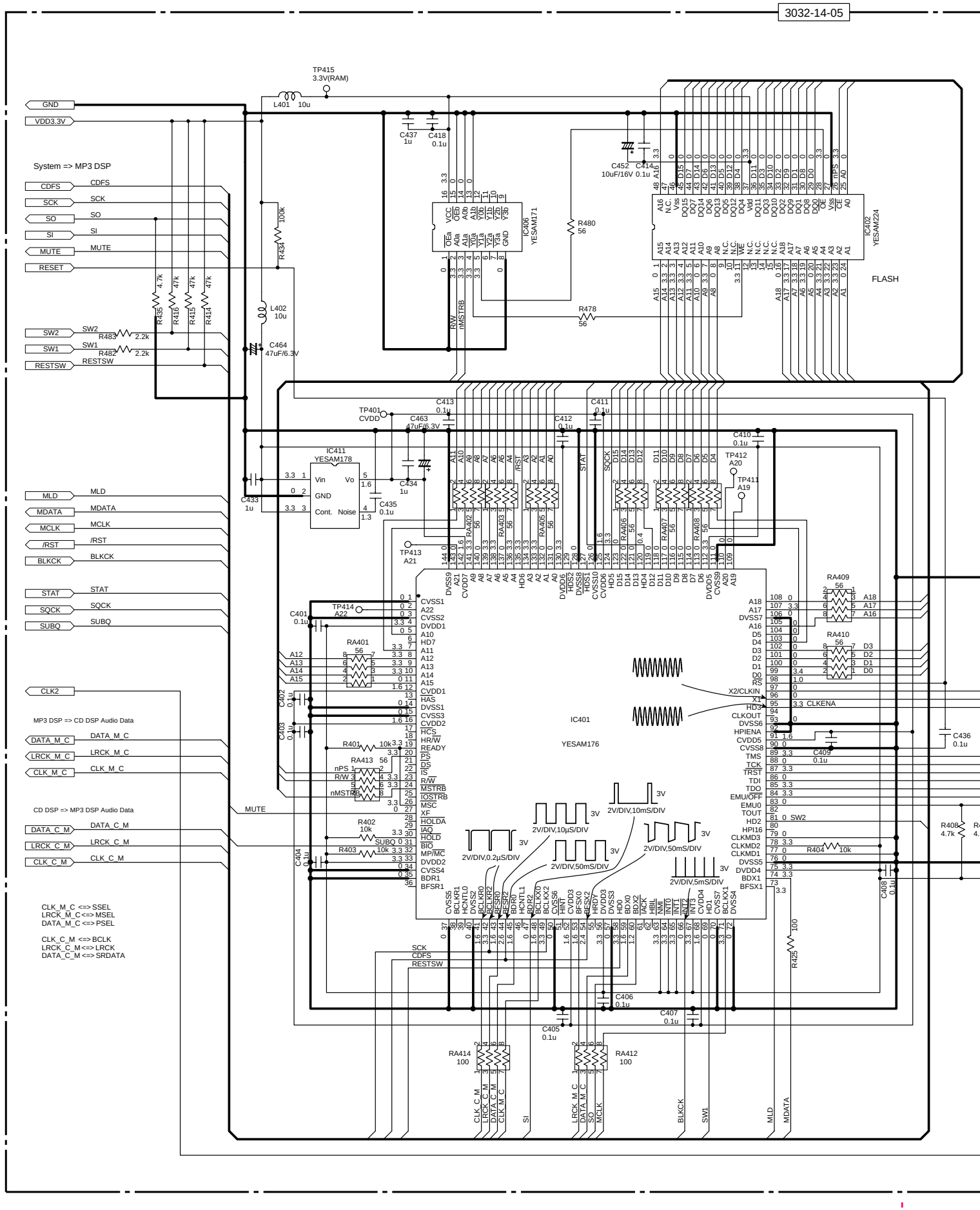
21.5 CD Servo Block-2 (Left Side)

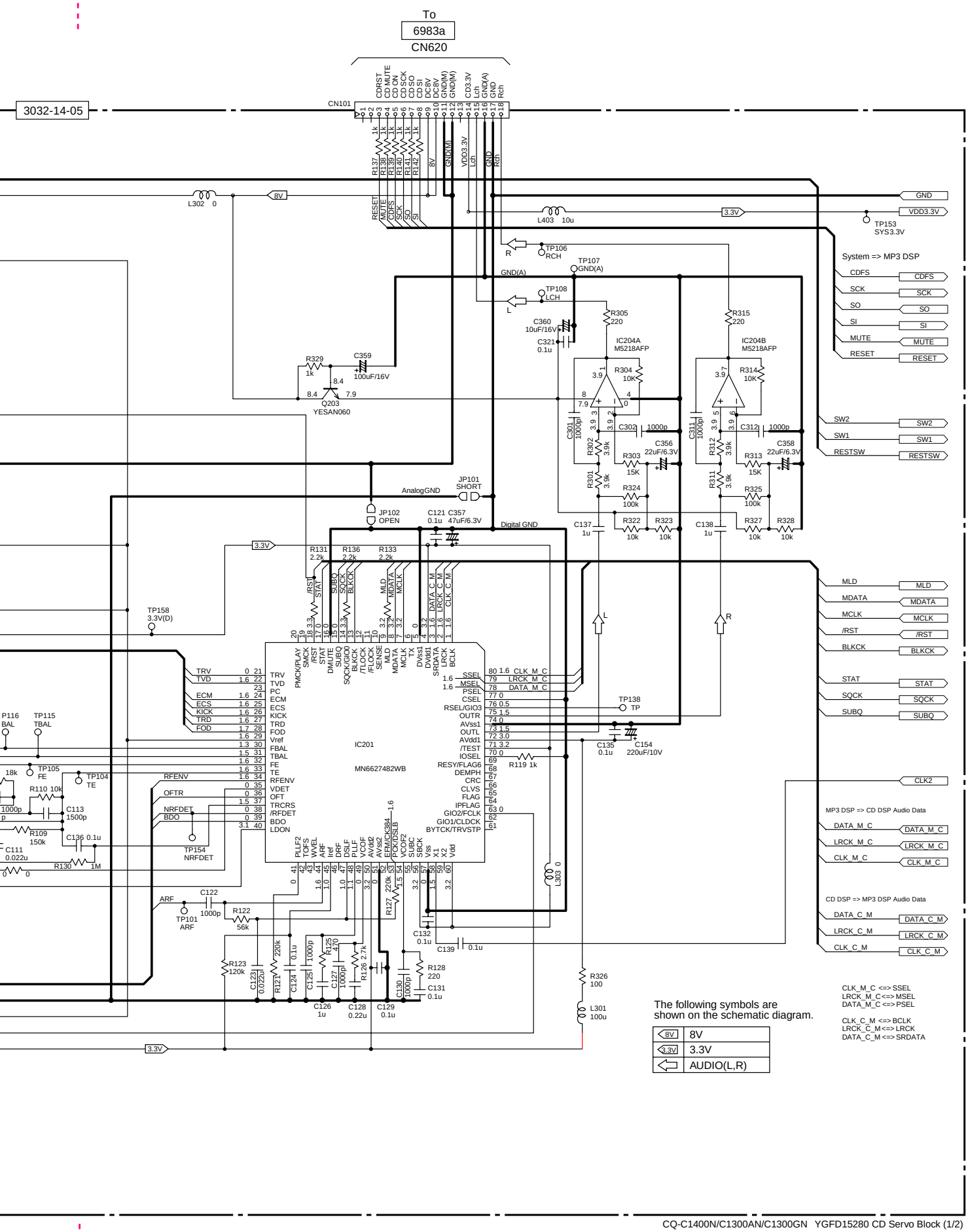
21.6 CD Servo Block-2 (Right Side)

4-05


IC402
YESAM224
FLASH
RA409
56
A18
A17
A16
RA410
56
D3
D2
D1
D0
X401
YESXL018
IC409
YESAM167
GND
A
OE
Y
Vcc
R431 4.7k
R432
10k
R430
560
C426
0.1u
R428(L)
220
R429
C436
0.1u
C408
0.1u
R408
4.7k
R409
4.7k
R481
4.7k
TP402
TMS
TP403
TCK
TP404
TRST
TP405
TDI
TP406
TDO
TP407
EMU
TP408
EMU0
TP409
VDD3.3V
TP410
GND

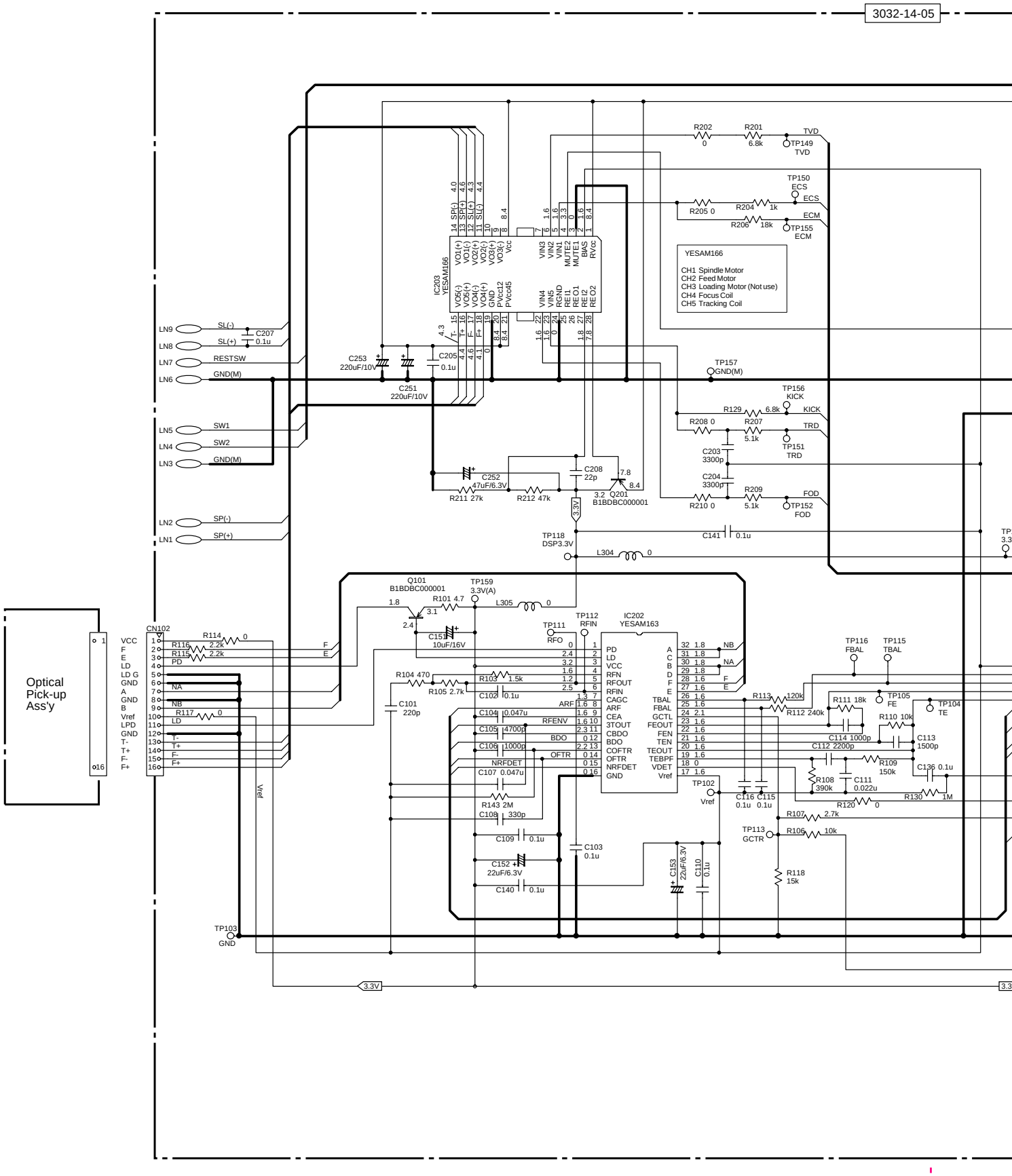
20.3. CD Servo Block-2

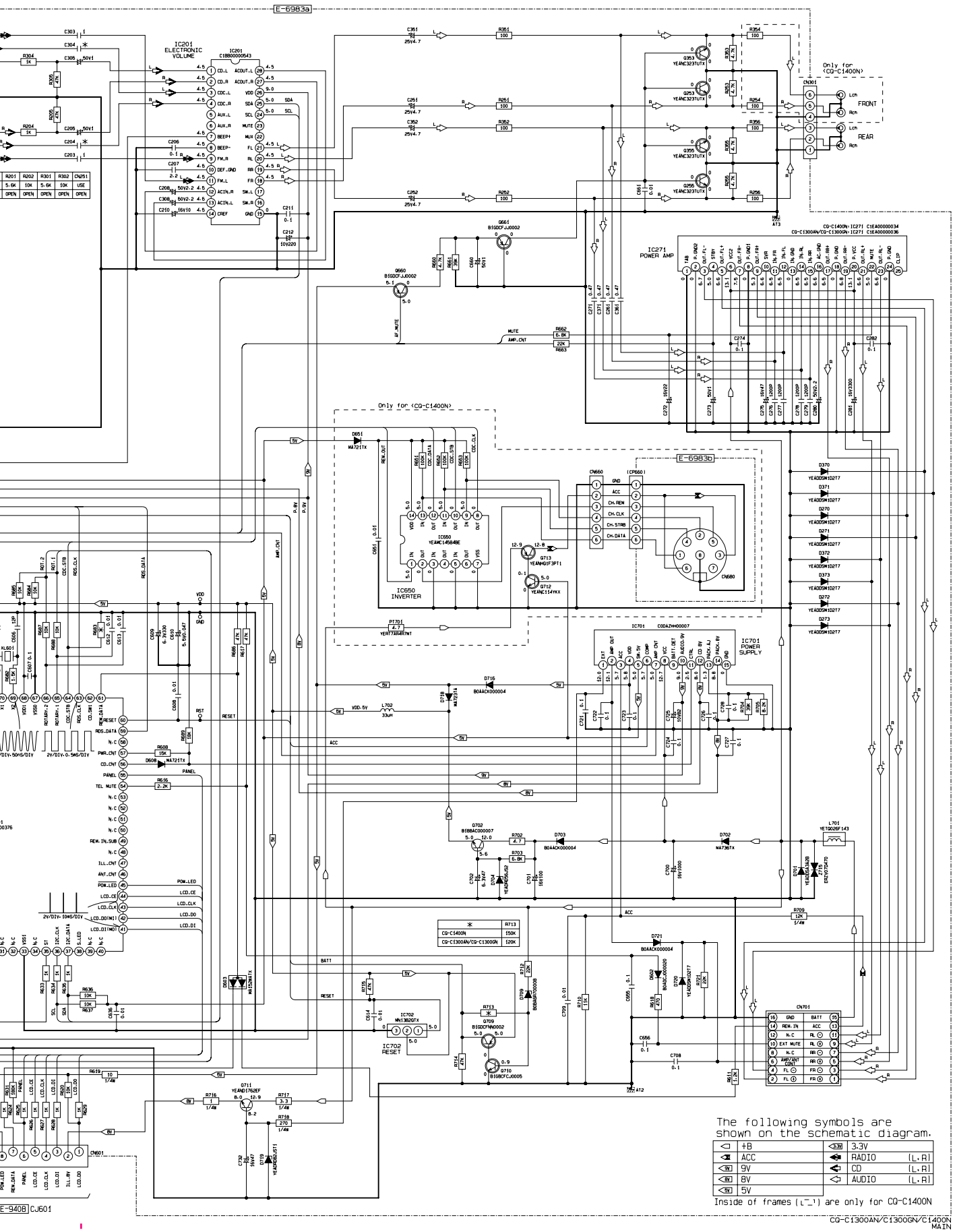




CQ-C1400N/C1300AN/C1300GN YGFD15280 CD Servo Block (1/2)

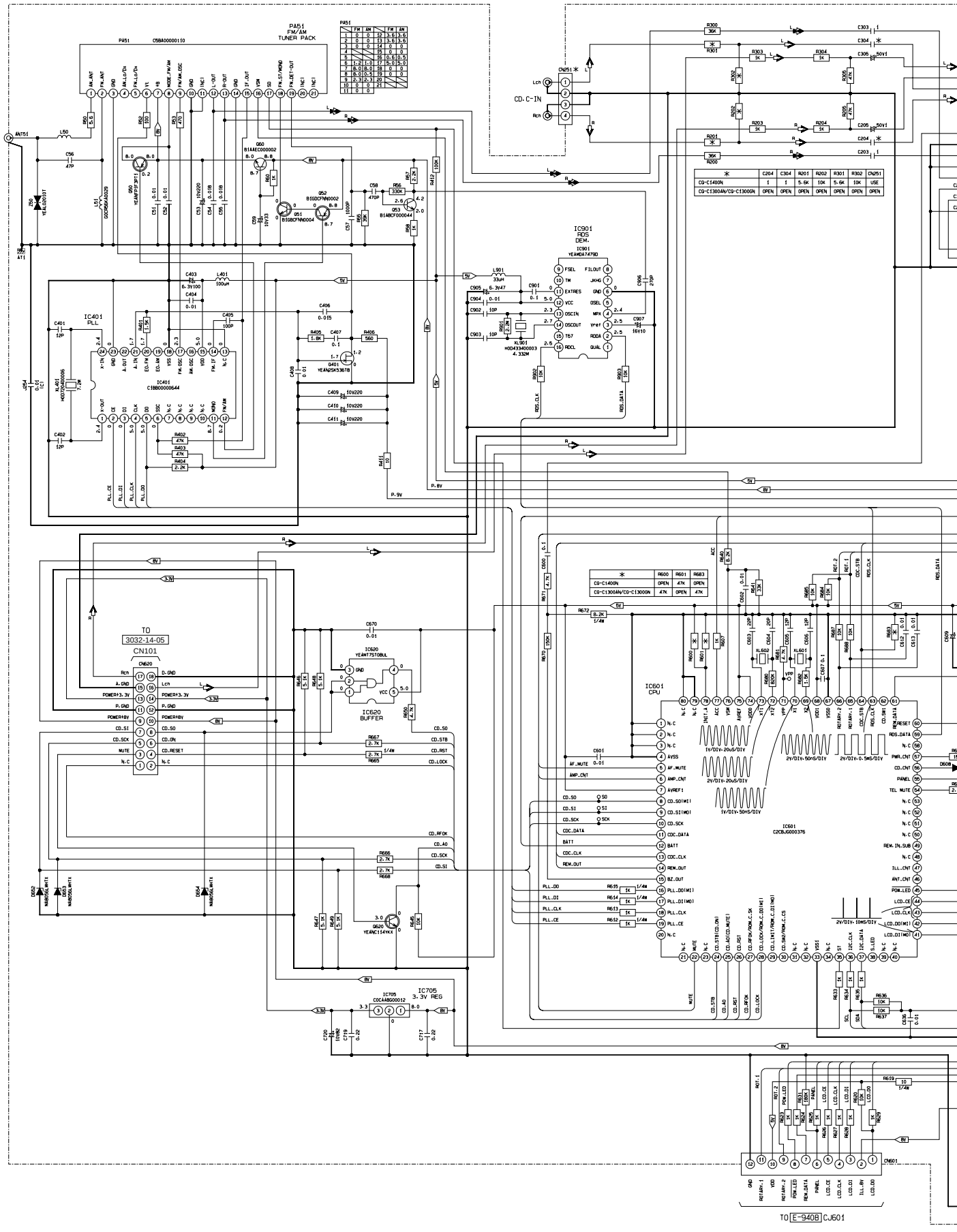
20.2. CD Servo Block-1

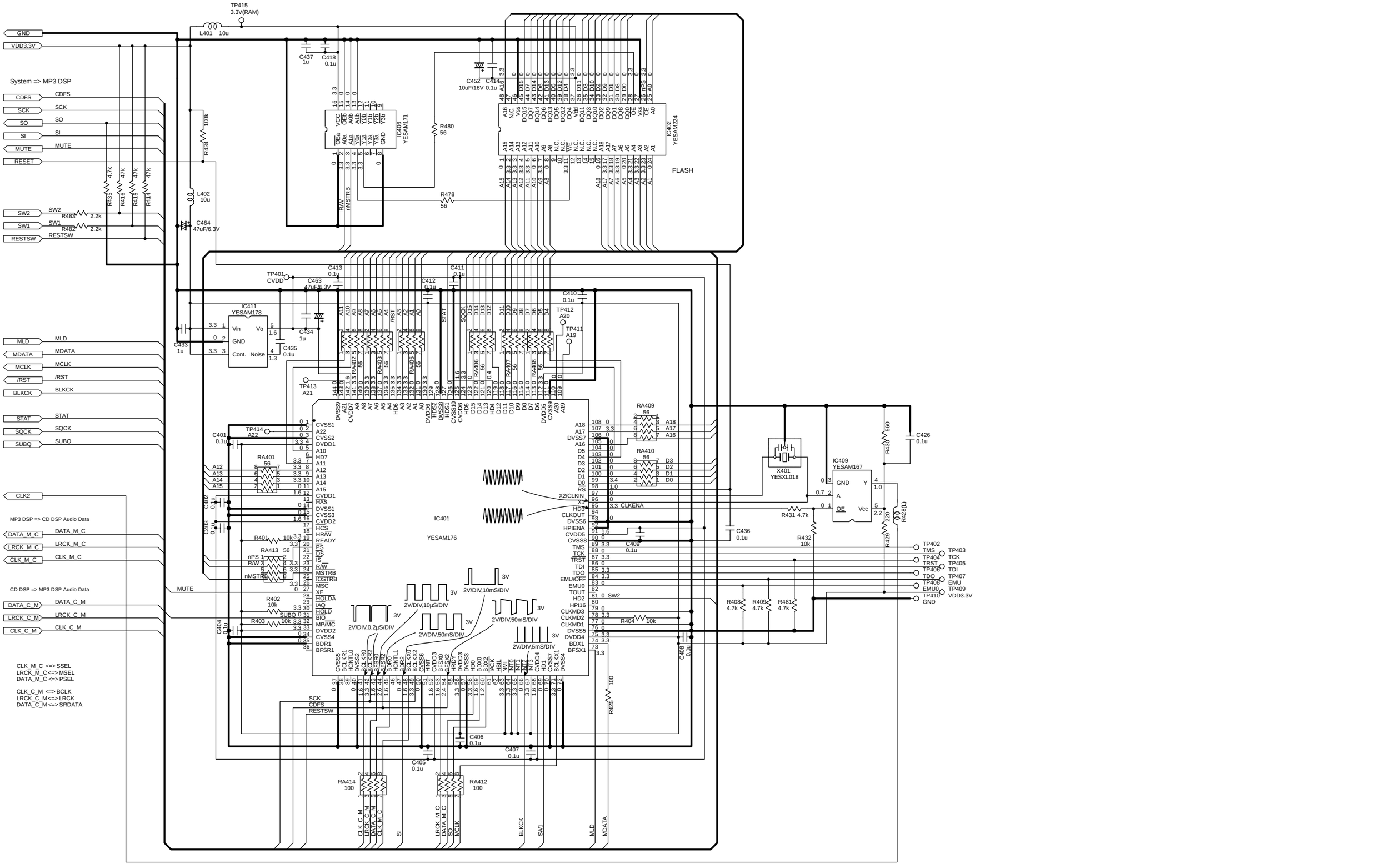



E-6983a
IC201
ELECTRONIC VOLUME
IC271
POWER AMP
Only for <CQ-C1400N>
FRONT
REAR
E-6983b
IC650
INVERTER
IC701
POWER SUPPLY
IC702
RESET
CN601
CN660
CN680
CN701
The following symbols are shown on the schematic diagram.
+B
ACC
9V
8V
5V
3.3V
RADIO (L,R)
CD (L,R)
AUDIO (L,R)
Inside of frames (L_1) are only for CQ-C1400N
CQ-C1300AN/C1300GN/C1400N
MAIN

20 SCHEMATIC DIAGRAM-2

20.1. Main Block




TP415
3.3V(RAM)
L401 10u
GND
VDD3.3V
System => MP3 DSP
CDFS
SCK
SO
SI
MUTE
RESET
R435 4.7k
R415 47k
R415 47k
R414 47k
R434 100k
L402 10u
C464 47uF/6.3V
SW2
SW1
RESTSW
R483 2.2k
R482 2.2k
C437 1u
C418 0.1u
IC406 YESAM171
R480 56
R478 56
C452 10uF/16V
C414 0.1u
IC402 YESAM224
FLASH
TP401 CVDD
C463 47uF/6.3V
C413 0.1u
C412 0.1u
C411 0.1u
C410 0.1u
IC411 YESAM178
Vin Vo GND Cont. Noise
C433 1u
C434 1u
C435 0.1u
TP412 A20
TP411 A19
TP413 A21
TP414 A22
C401 0.1u
C402 0.1u
C403 0.1u
C404 0.1u
MLD
MDATA
MCLK
/RST
BLKCK
STAT
SQCK
SUBQ
CLK2
MP3 DSP => CD DSP Audio Data
DATA_M_C
LRCK_M_C
CLK_M_C
CD DSP => MP3 DSP Audio Data
DATA_C_M
LRCK_C_M
CLK_C_M
MUTE
R401 10k
R402 10k
R403 10k
R404 10k
RA401 56
RA409 56
RA410 56
RA413 56
IC401
YESAM176
3V
2V/DIV,10µS/DIV
2V/DIV,10mS/DIV
2V/DIV,0.2µS/DIV
2V/DIV,50mS/DIV
2V/DIV,5mS/DIV
X401 YESXL018
IC409 YESAM167
R430 560
C426 0.1u
R431 4.7k
R432 10k
R429 220
R428(U)
C436 0.1u
C409 0.1u
TP402 TMS
TP403 TCK
TP404 TRST
TP405 TDI
TP406 TDO
TP407 EMU
TP408 EMU0
TP409 VDD3.3V
TP410 GND
R408 4.7k
R409 4.7k
R481 4.7k
C408 0.1u
R425 100
C406 0.1u
C407 0.1u
C405 0.1u
RA414 100
RA412 100
SCK
CDFS
RESTSW
CLK_M_C <=> SSEL
LRCK_M_C <=> MSEL
DATA_M_C <=> PSEL
CLK_C_M <=> BCLK
LRCK_C_M <=> LRCK
DATA_C_M <=> SRDATA

3032-14-05

To 6983a CN620

CN101

CDRST, CD MUTE, CD DIN, CD CLK, CD CSO, CD SI, DC8V, DC8V, GND(M), GND(M), CD3.3V, Lch, GND(A), GND, Rch

R137 1k, R138 1k, R139 1k, R140 1k, R141 1k, R142 1k

RESET, MUTE, CDFS, SCK, SO, SI

8V, GND(M), VDD3.3V, Lch, GND, Rch

L302 0 — 8V

L403 10u — 3.3V — TP153 SYS3.3V

GND, VDD3.3V

System => MP3 DSP

CDFS, SCK, SO, SI, MUTE, RESET

SW2, SW1, RESTSW

MLD, MDATA, MCLK, /RST, BLKCK, STAT, SQCK, SUBQ, CLK2

MP3 DSP => CD DSP Audio Data: DATA_M_C, LRCK_M_C, CLK_M_C

CD DSP => MP3 DSP Audio Data: DATA_C_M, LRCK_C_M, CLK_C_M

CLK_M_C <=> SSEL
LRCK_M_C <=> MSEL
DATA_M_C <=> PSEL

CLK_C_M <=> BCLK
LRCK_C_M <=> LRCK
DATA_C_M <=> SRDATA

TP106 RCH, TP107 GND(A), TP108 LCH

IC204A M5218AFP, IC204B M5218AFP

R305 220, R315 220, R304 10K, R314 10K, R303 15K, R313 15K, R324 100k, R325 100k, R322 10k, R323 10k, R327 10k, R328 10k, R302 3.9k, R312 3.9k, R301 3.9k, R311 3.9k

C360 10uF/16V, C321 0.1u, C301 1000p, C311 1000p, C302 1000p, C312 1000p, C356 22uF/6.3V, C358 22uF/6.3V, C137 1u, C138 1u

JP101 SHORT, JP102 OPEN, C121 0.1u, C357 47uF/6.3V

Analog GND, Digital GND

L329 0

R329 1k, C359 100uF/16V, Q203 YESAM060

IC203 YESAM166

VO1(+), VO1(-), VO2(+), VO2(-), VO3(+), VO3(-), Vcc, VIN3, VIN2, VIN1, MUTE2, MUTE1, BIAS, RVcc, VO5(-), VO5(+), VO4(-), VO4(+), PVcc12, PVcc45, VIN4, VIN5, RGND, REI1, REO1, REI2, REO2

SP(-), SP(+), SL(-), SL(+)

YESAM166

CH1 Spindle Motor
CH2 Feed Motor
CH3 Loading Motor (Not use)
CH4 Focus Coil
CH5 Tracking Coil

LN9 SL(-), LN8 SL(+), LN7 RESTSW, LN6 GND(M)

LN5 SW1, LN4 SW2, LN3 GND(M)

LN2 SP(-), LN1 SP(+)

C207 0.1u, C205 0.1u, C253 220uF/10V, C251 220uF/10V

R202 0, R201 6.8k, TP149 TVD

TP150 ECS, R205 0, R204 1k, TP155 ECM, R206 18k

TP157 GND(M)

TP156 KICK, R129 6.8k, R208 0, R207 5.1k, TP151 TRD

C203 3300p, C204 3300p

C252 47uF/6.3V, R211 27k, R212 47k, C208 22p, Q201 B1BDBC000001, R209 5.1k, TP152 FOD, R210 0

C141 0.1u

TP118 DSP3.3V, L304 0, TP158 3.3V(D)

Q101 B1BDBC000001, R101 4.7, TP159 3.3V(A), L305 0, C151 10uF/16V

CN102

VCC, F, E, LD, LD G, GND, A, GND, B, Vref, LPD, GND, T-, T+, F-, F+

R114 0, R116 2.2k, R115 2.2k, PD, NA, NB, R117 0, LD

Optical Pick-up Ass'y

TP111 RFO, TP112 RFIN

IC202 YESAM163

PD, LD, VCC, RFN, RFOUT, RFIN, CAGC, ARF, CEA, 3TOUT, CBDO, BDO, COFTR, OFTR, NRFDET, GND, TBAL, FBAL, GCTL, FEOUT, FEN, TEN, TEOUT, TEBPF, VDET, Vref, A, C, B, D, F, E

R104 470, R105 2.7k, R103 1.5k, C102 0.1u, C101 220p, C104 0.047u, C105 4700p, C106 1000p, C107 0.047u, R143 2M, C108 330p, C109 0.1u, C152 22uF/6.3V, C140 0.1u, C103 0.1u, C153 22uF/6.3V, C110 0.1u

R113 120k, R112 240k, R111 18k, TP116 FBAL, TP115 TBAL, TP105 FE, TP104 TE, R110 10k, C114 1000p, C113 1500p, C112 2200p, R109 150k, R108 390k, C111 0.022u, C136 0.1u, R130 1M, R120 0

C116 0.1u, C115 0.1u, TP102 Vref

R107 2.7k, R106 10k, TP113 GCTR, R118 15k

TP103 GND

IC201 MN6627482WB

TRV, TVD, PC, ECM, ECS, KICK, TRD, FOD, Vref, FBAL, TBAL, FE, TE, RFENV, VDET, OFT, TRCRS, /RFDET, BDO, LDON

PMCK/PLAY, SMCK, /RST, STAT, DMUTE, SUBQ, SQCK/XUGEN, BLKCK, /TLOCK, /FLOCK, SENSE, MLD, MDATA, MCLK, TX, DVss1, DVdd1, SRDATA, LRCK, BCLK

SSEL, MSEL, PSEL, CSEL, RSEL/GIO3, OUTR, AVss1, OUTL, AVdd1, /TEST, IOSEL, RESY/FLAG6, DEMPH, CRC, CLVS, FLAG, IPFLAG, GIO2/FCLK, GIO1/CLDCK, BYTCK/TRVSTP

PLLF2, TOFS, WVEL, ARF, Iref, DRF, DSLF, PLLF, VCOF, AVdd2, AVss2, EFMCK384, PCKDIS1B, VCOF2, SUBC, SBCK, Vss, X1, X2, Vdd

R131 2.2k, R136 2.2k, R133 2.2k

C122 1000p, R122 56k, TP101 ARF

R123 120k, C123 0.022u, R121 220k, C124 0.1u, C125 1000p, R125 470, R126 2.7k, C127 1000p, C126 1u, C128 0.22u, C129 0.1u, C130 1000p, R128 220, C131 0.1u, C132 0.1u, C139 0.1u, R127 220k

TP154 NRFDET

TP138 TP, C135 0.1u, C154 220uF/10V

R119 1k

R326 100, L301 100u, L303 0

3.3V, 8V, Vref

The following symbols are shown on the schematic diagram.

8V	8V
3.3V	3.3V
	AUDIO(L,R)

E-6983a

PA51 FM/AM TUNER PACK

*	R300	R301	R302	R303	R304	R305	CN251
CQ-C1400N	1K	36K	1K	1K	1K	47K	USE
CQ-C1300AN/CQ-C1300GN	1K	36K	1K	1K	1K	47K	USE

*	C204	C304	R201	R202	R301	R302	CN251
CQ-C1400N	1	1	5.6K	10K	5.6K	10K	USE
CQ-C1300AN/CQ-C1300GN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN

IC201 ELECTRONIC VOLUME

IC901 RDS DEM.

IC401 PLL

IC601 CPU

IC650 INVERTER

IC702 RESET

IC701 POWER SUPPLY

IC705 3.3V REG

IC620 BUFFER

IC271 POWER AMP

Only for <CQ-C1400N>

*	R650	R651	R653
CQ-C1400N	OPEN	47K	OPEN
CQ-C1300AN/CQ-C1300GN	47K	OPEN	47K

*	R713
CQ-C1400N	150K
CQ-C1300AN/CQ-C1300GN	120K

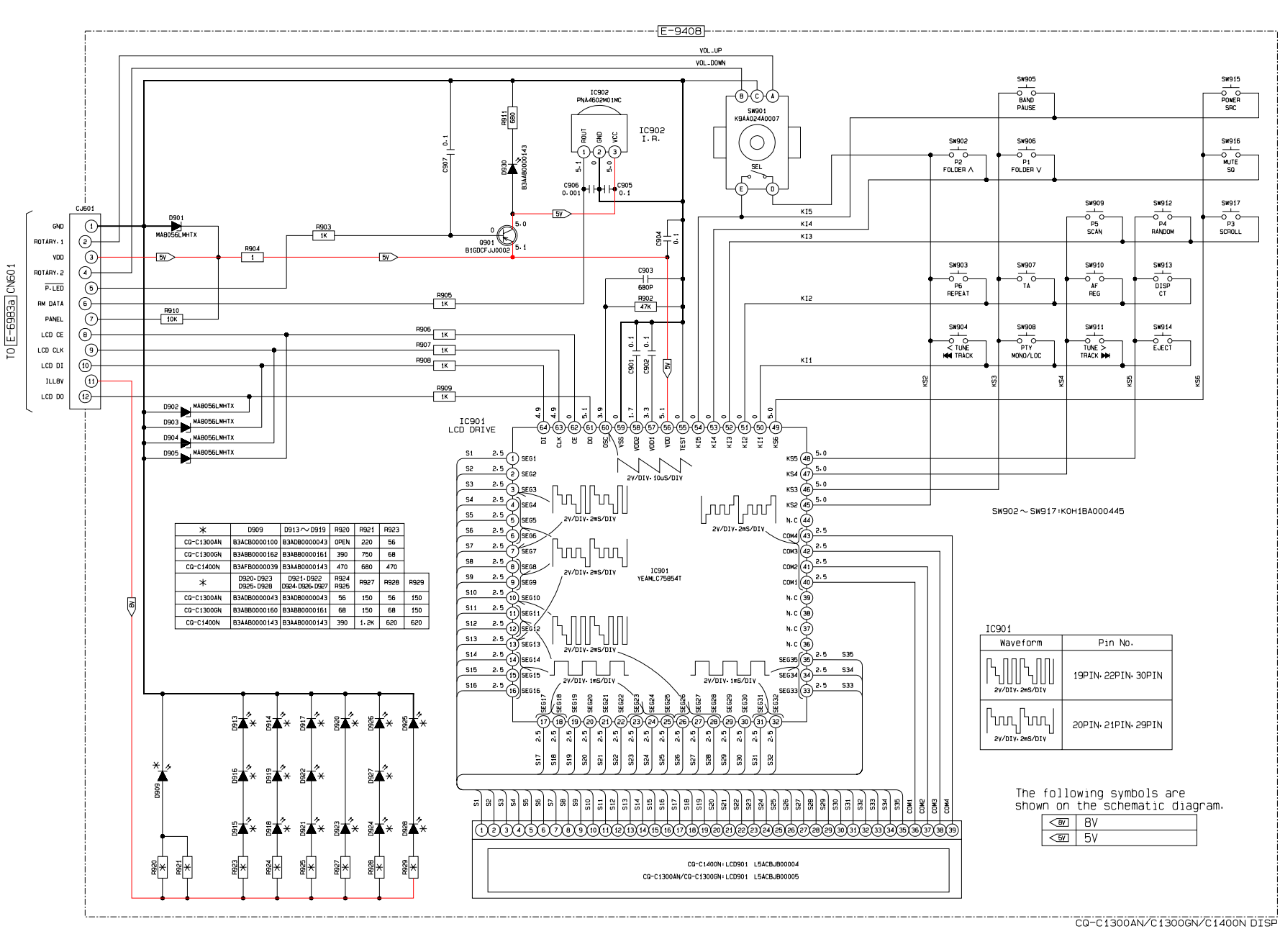
TO 3032-14-05 CN101

TO E-940B CJ601

The following symbols are shown on the schematic diagram.

+B	3.3V		
ACC	RADIO	(L,R)	
9V	CD	(L,R)	
8V	AUDIO	(L,R)	
5V			

Inside of frames (L_R) are only for CQ-C1400N

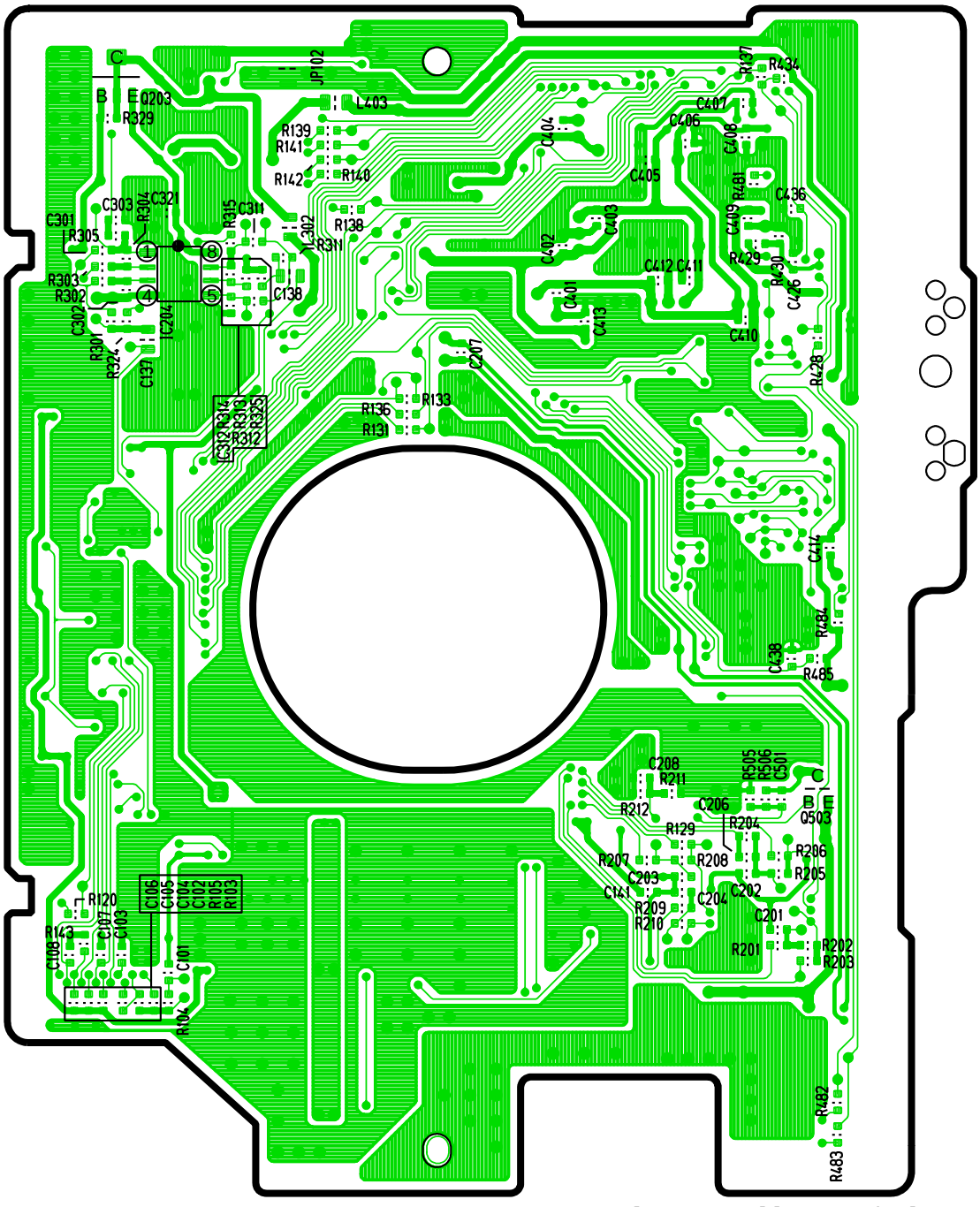


*	D909	D913～D919	R920	R921	R923
CQ-C1300AN	B3ACB0000100	B3ADB0000043	OPEN	220	56
CQ-C1300GN	B3ABB0000162	B3ABB0000161	390	750	68
CQ-C1400N	B3AFB0000039	B3AAB0000143	470	680	470

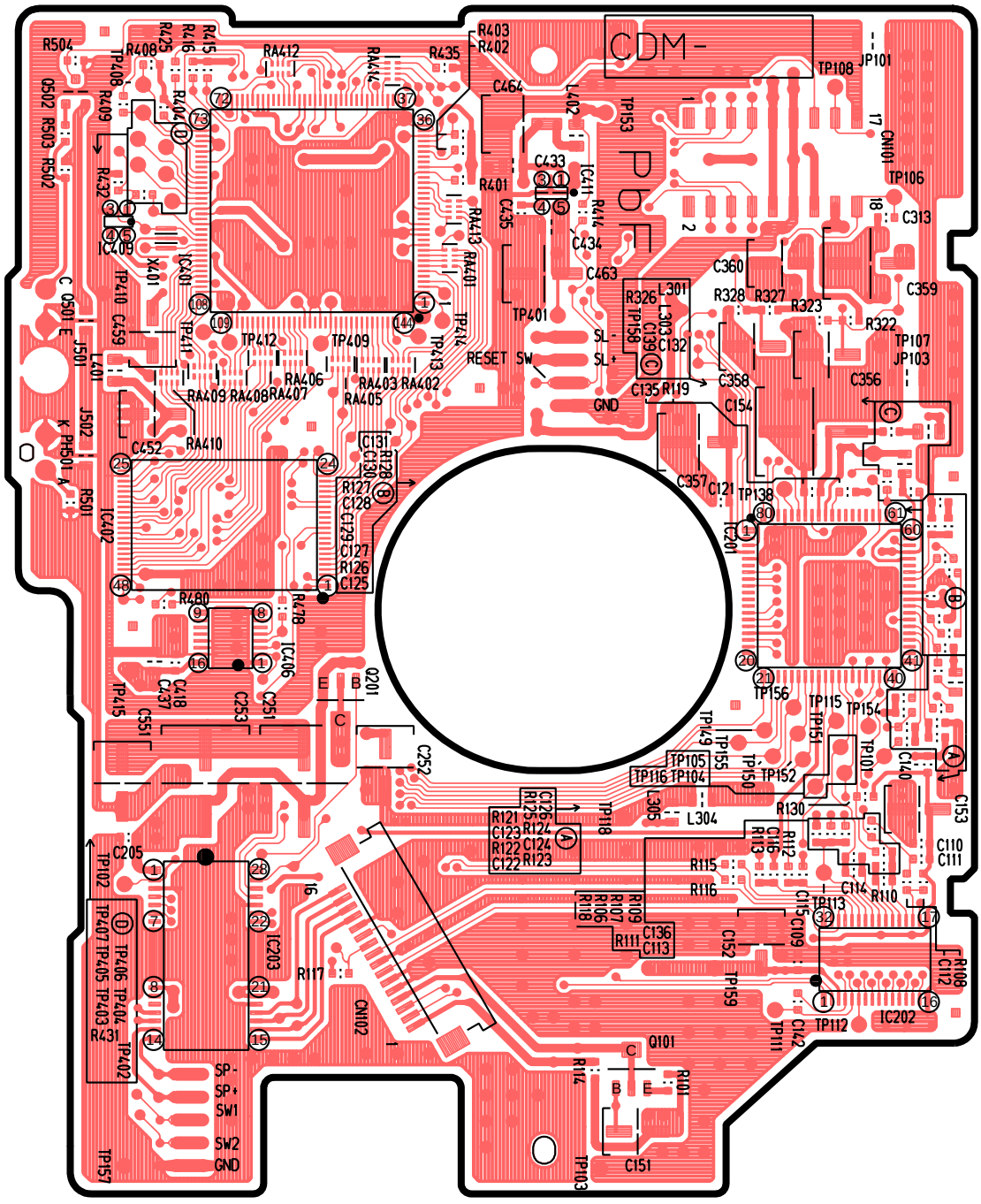
*	D920・D923 D925・D928	D921・D922 D924・D926・D927	R924 R926	R927	R928	R929
CQ-C1300AN	B3ADB0000043	B3ADB0000043	56	150	56	150
CQ-C1300GN	B3ABB0000160	B3ABB0000161	68	150	68	150
CQ-C1400N	B3AAB0000143	B3AAB0000143	390	1.2K	620	620

IC901

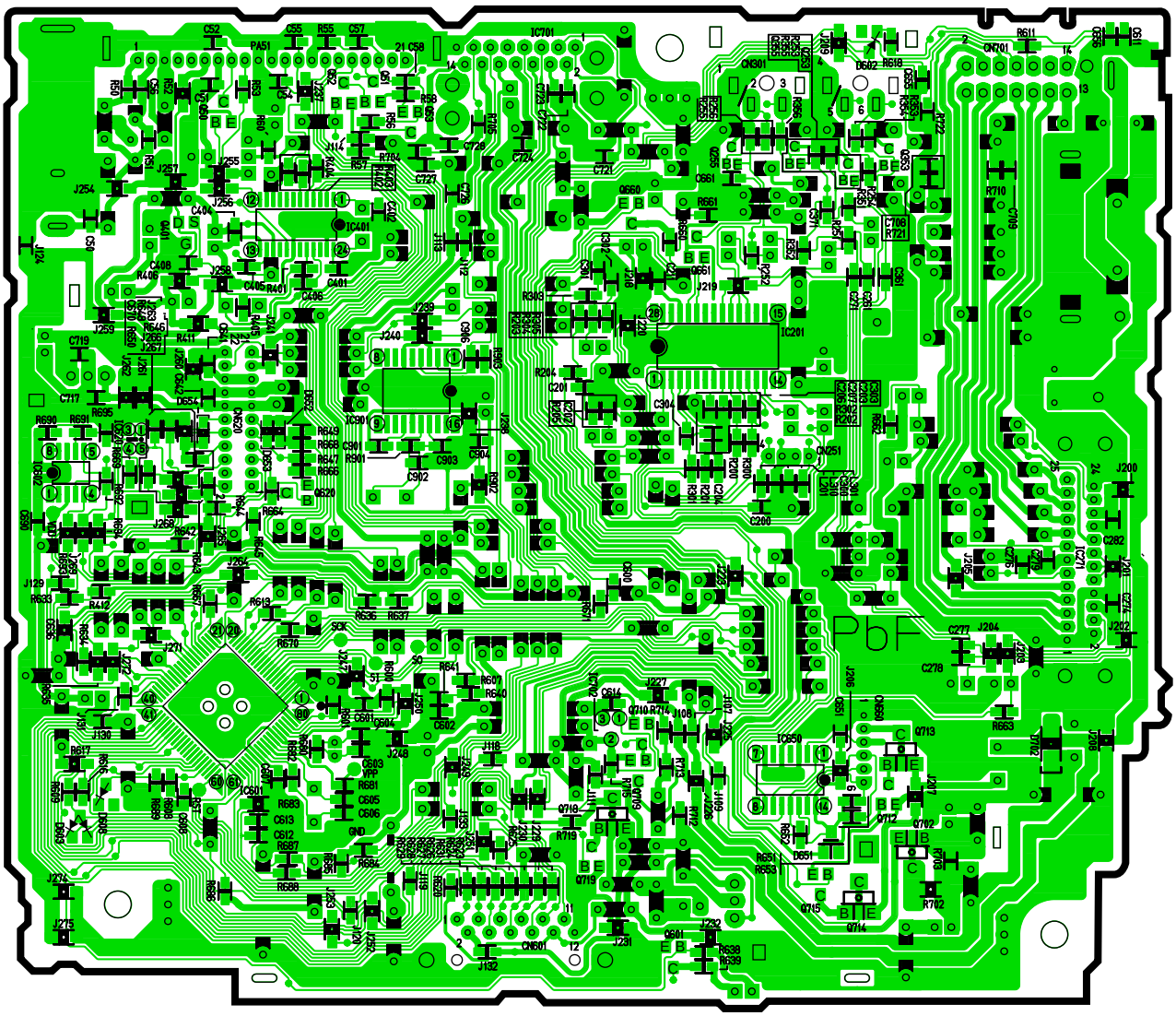
Waveform	Pin No.
2V/DIV. 2mS/DIV	19PIN. 22PIN. 30PIN
2V/DIV. 2mS/DIV	20PIN. 21PIN. 29PIN



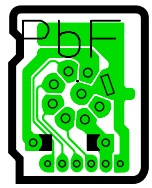
[3032-14-05] [Bottom View]



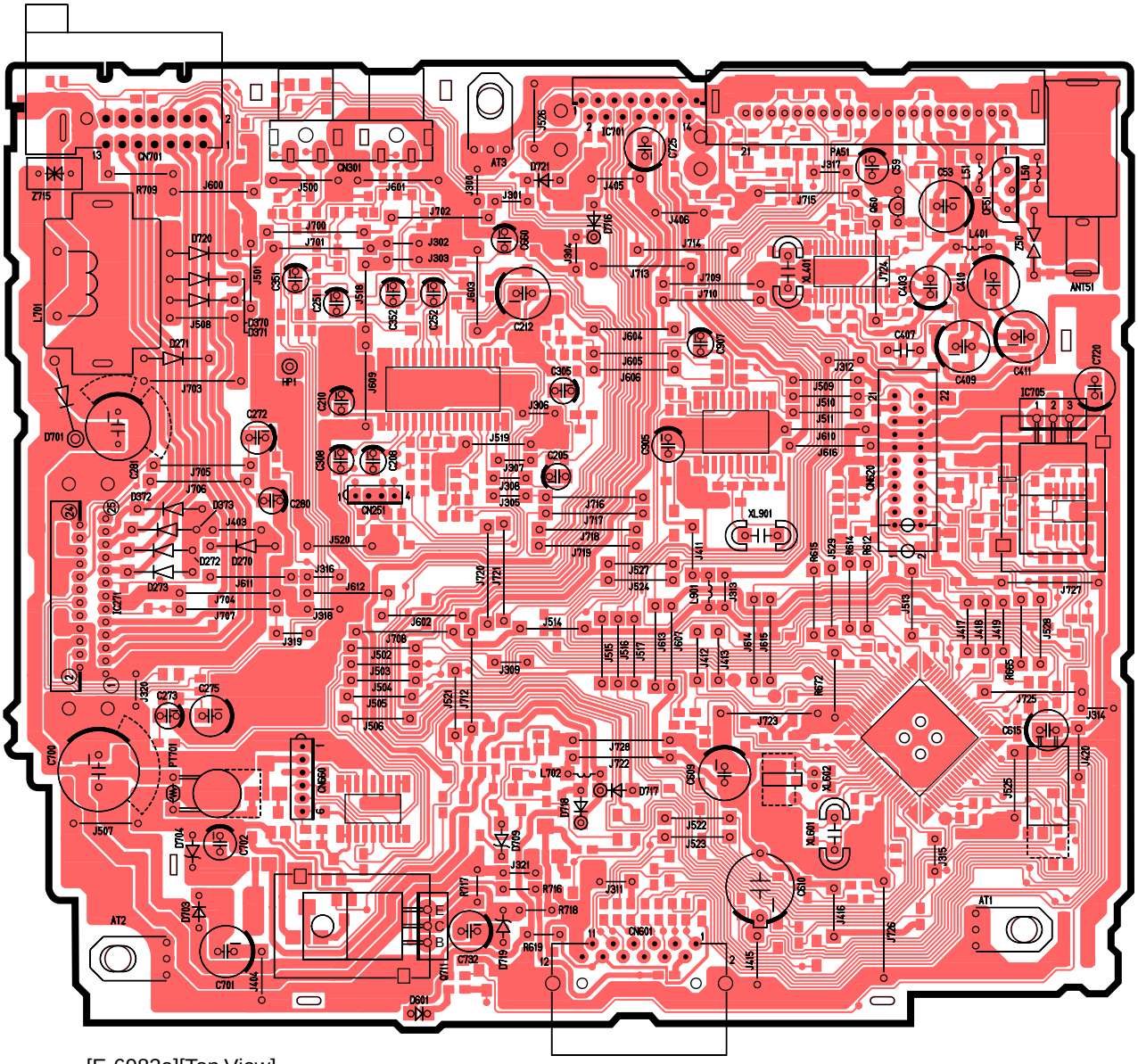
[3032-14-05] [Top View]



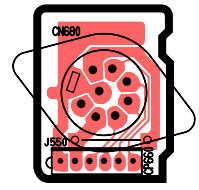
[E-6983a][Bottom View]



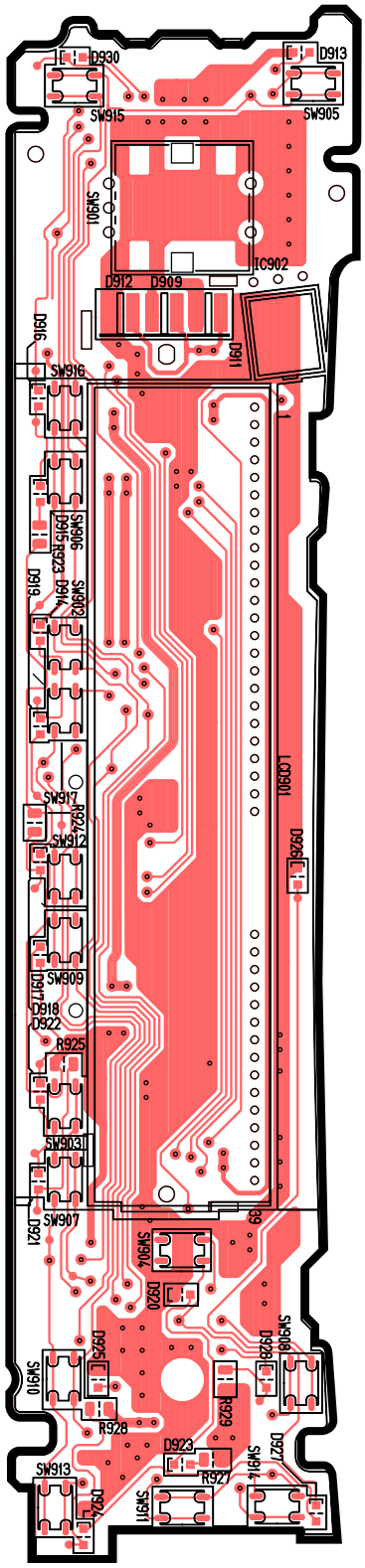
[E-6983b][Bottom View]



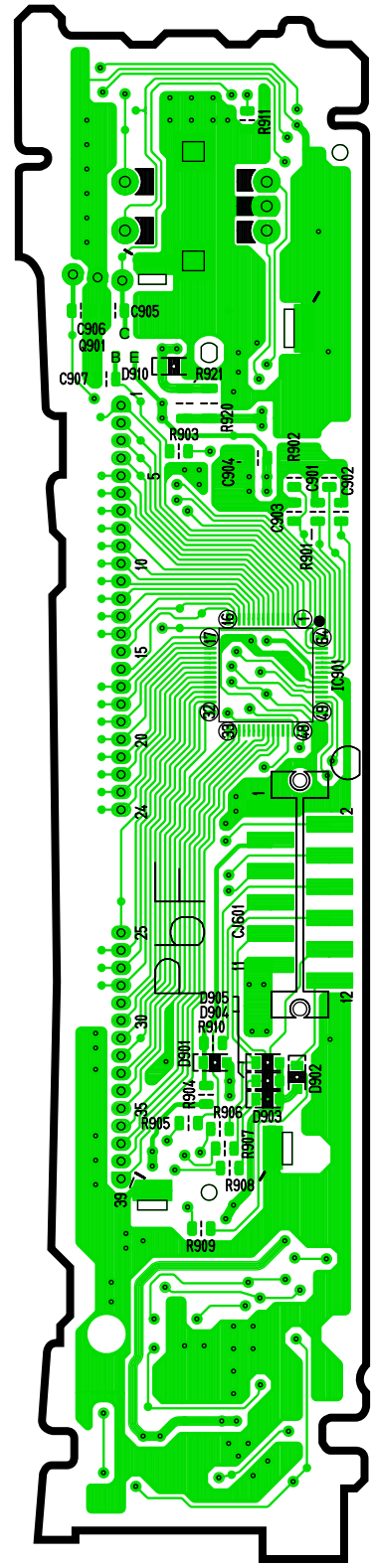
[E-6983a][Top View]



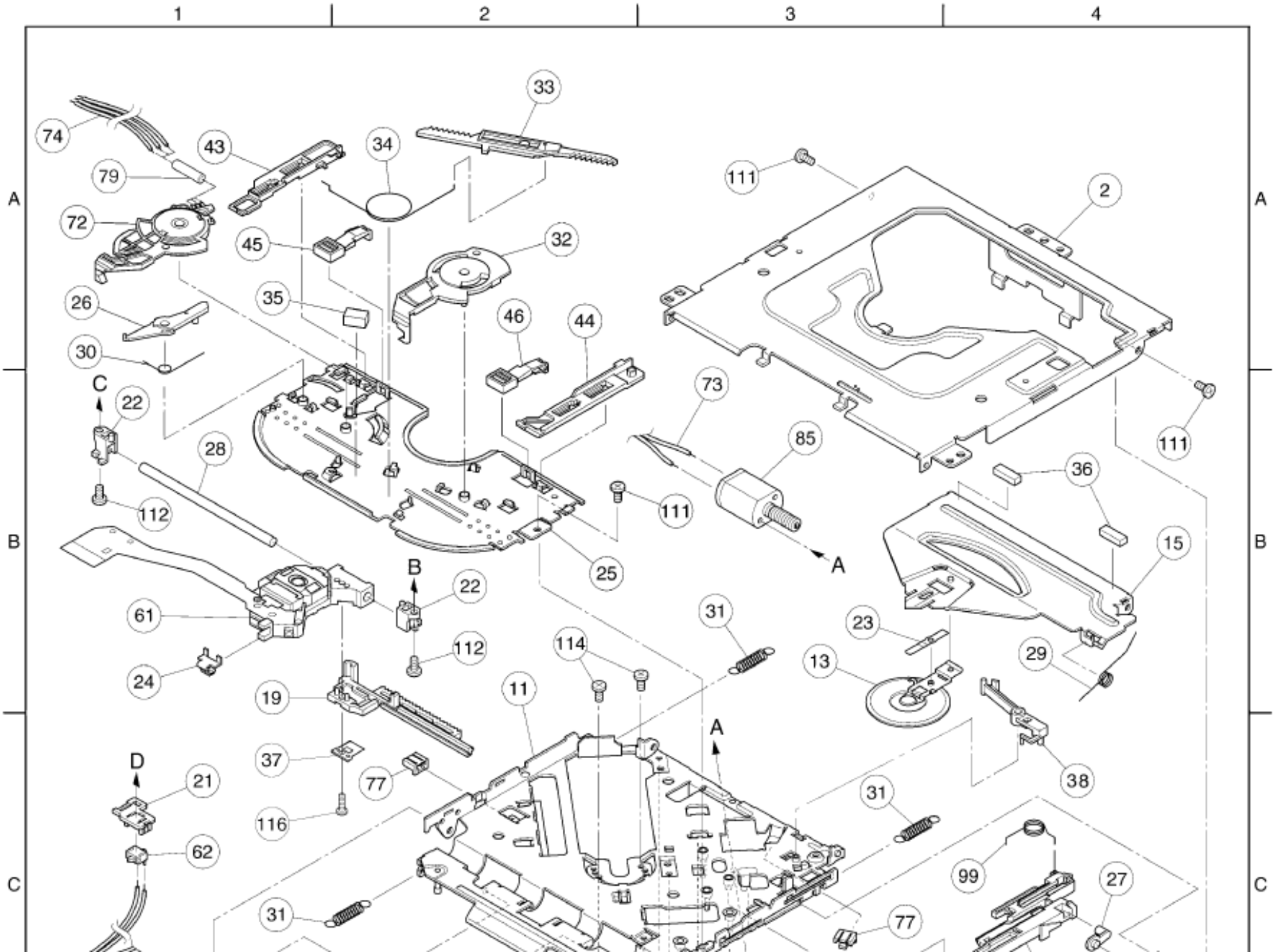
[E-6983b][Top View]

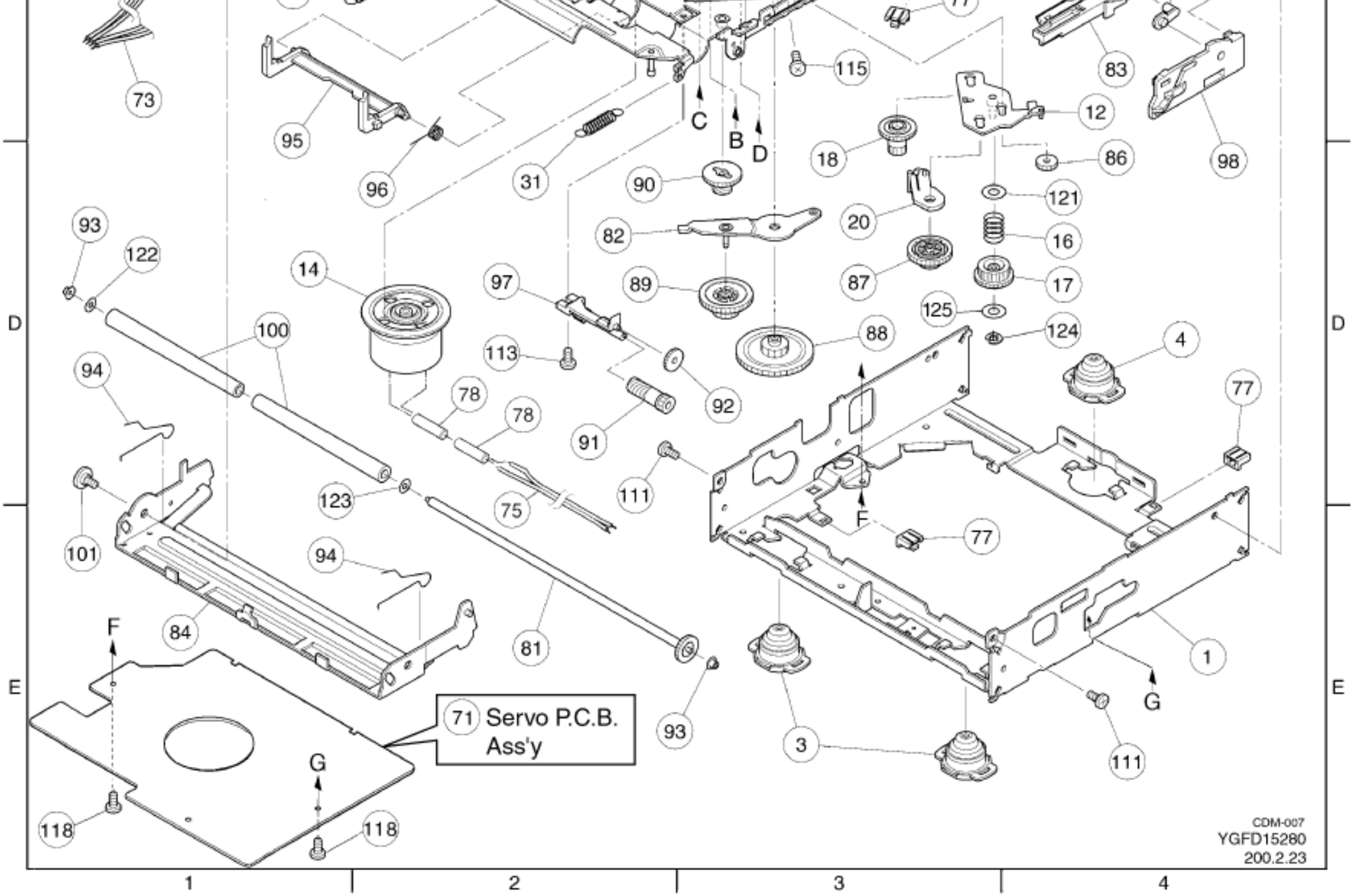


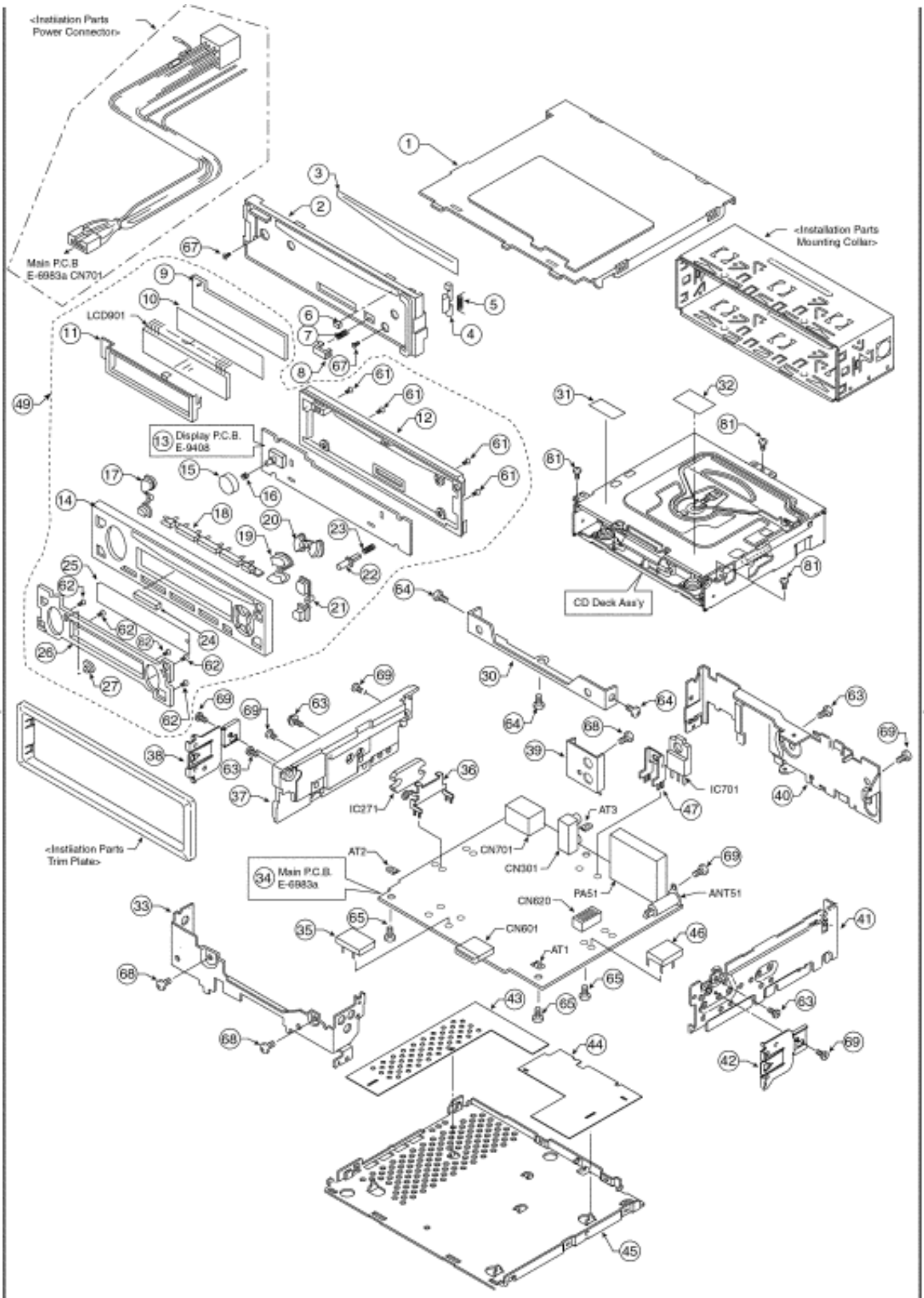
[E-9408][Top View]



[E-9408][Bottom View]

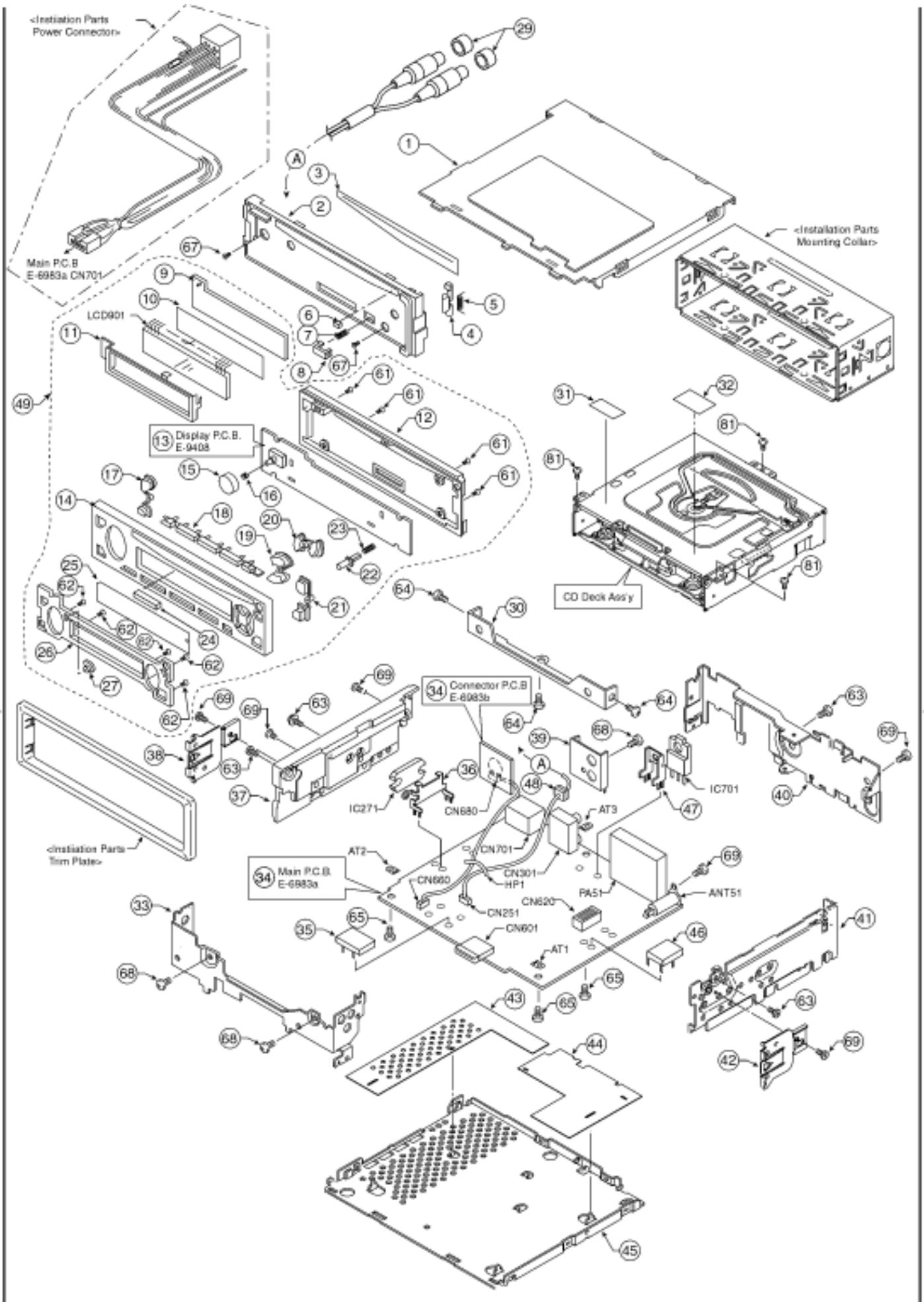

1
2
3
4
A
B
C
74
79
43
34
33
72
45
32
35
26
30
46
44
111
2
73
85
36
15
22
28
112
25
61
24
19
31
23
13
29
114
11
37
77
116
21
62
38
99
27


73
95
96
31
C
B
D
115
83
12
18
86
98
90
121
20
16
82
87
17
89
125
124
88
4
14
97
113
92
91
78
78
100
94
123
75
111
77
F
77
101
94
84
81
93
1
G
3
111
71 Servo P.C.B. Ass'y
F
G
118
118
CDM-007
YGFD15280
200.2.23
1
2
3
4
D
E


<Installation Parts
Power Connector>
Main P.C.B
E-6983a CN701
LCD901
13 Display P.C.B.
E-9408
CD Deck Ass'y
<Installation Parts
Mounting Collar>
<Installation Parts
Trim Plate>
34 Main P.C.B.
E-6983a
IC271
IC701
CN701
CN301
CN620
CN601
PA51
ANT51
AT1
AT2
AT3
2
1
A
B

A

B


<Installation Parts
Power Connector>
Main P.C.B
E-6983a CN701
LCD901
13 Display P.C.B.
E-9408
<Installation Parts
Mounting Collar>
CD Deck Assy
34 Connector P.C.B
E-6983b
<Installation Parts
Trim Plate>
34 Main P.C.B.
E-6983a
IC271
CN680
IC701
AT3
AT2
CN701
CN660
CN301
HP1
PA51
ANT51
CN620
CN251
CN601
AT1
CQ-C1400N

A

B